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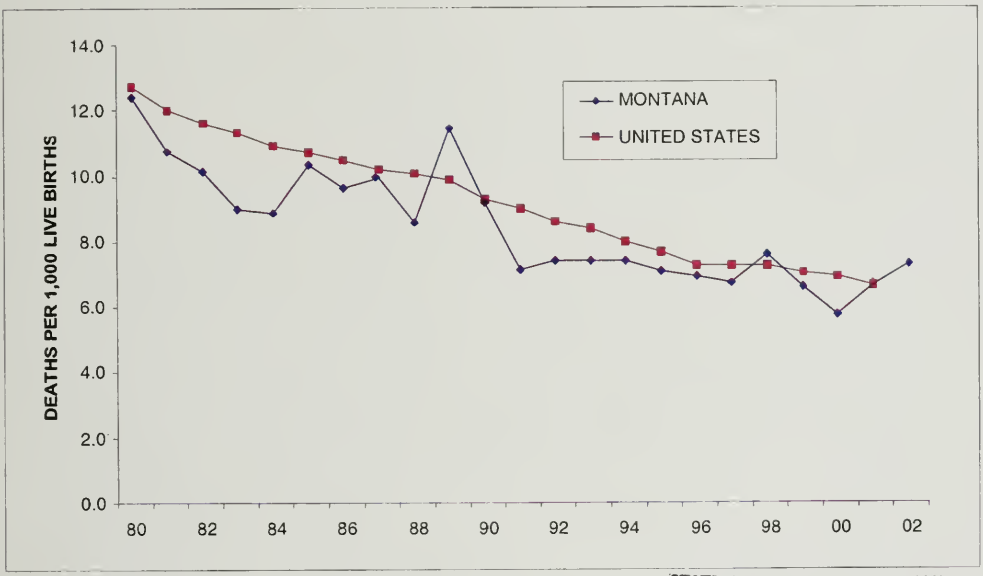
MONTANA

VITAL STATISTICS

INFANT MORTALITY RATES
MONTANA AND THE UNITED STATES, 1980-2002



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The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.

The Honorable Judy Martz
Governor of Montana

Gail Gray, Ed.D.
Director
Montana Department of Public Health and Human Services

November 2003

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TABLE OF CONTENTS

CONTENTS	PAGE
TABLE OF FIGURES	iv
INTRODUCTION—VITAL REGISTRATION AND DATA COLLECTION	1
TECHNICAL OVERVIEW	4
DATA SOURCES AND LIMITATIONS	4
DATA TABULATIONS AND PRESENTATION	7
DEFINITIONS	36
NATALITY	43
FERTILITY	43
LOW BIRTHWEIGHT	45
MOTHER'S AGE, RACE, AND MARITAL STATUS	46
METHOD OF DELIVERY	47
MORTALITY	48
FETAL, INFANT, AND MATERNAL DEATHS	51
AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES	52
AGE, SEX, AND RACE	69
YEARS OF POTENTIAL LIFE LOST	80
CANCER INCIDENCE AND PREVALENCE	85
CANCER INCIDENCE BY PRIMARY SITE	85
PROSTATE CANCER	86
BREAST CANCER	87
LUNG CANCER	89
COLORECTAL CANCER	90
INDUCED ABORTION	92
MARRIAGE	94
MARITAL TERMINATION	95
LIST OF REFERENCE TABLES	02-i
2002 VITAL STATISTICS REFERENCE TABLES	02-1

TABLE OF FIGURES

FIGURE	CONTENTS	PAGE
FIGURE 1	Classification Codes (ICD-9 and ICD-10) for Underlying Causes of Death	9
FIGURE 2	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 358 Selected Causes of Death	10
FIGURE 3	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 113 Selected Causes of Infant Death . .	22
FIGURE 4	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 130 Selected Causes of Death	26
FIGURE 5	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 124 Selected Causes of Fetal Death . .	31
FIGURE 6	Resident Birth Rates – Montana and the United States, 1968-2002	43
FIGURE 7	Fertility Rates for Mothers of All Races– Montana Teens and Mothers of All Ages, 1990-2002	44
FIGURE 8	Fertility Rates for White Mothers – Montana Teens and Mothers of All Ages, 1990-2000	44
FIGURE 9	Fertility Rates for Native American Mothers – Montana Teens and Mothers of All Ages, 1990-2000	45
FIGURE 10	Rate of Low Birthweight Births Montana Residents, 1980-2002	46
FIGURE 11	Percent of Births to Unmarried Mothers Montana and United States Residents, 1980-2002	46
FIGURE 12	Frequency and Percent Distribution of Live Births by Age of Mother and Method of Delivery Montana and U.S. Residents, 1993-2002	47

FIGURE	CONTENTS	PAGE
FIGURE 13	Resident Crude Death Rates – Montana and the United States, 1968-2002	48
FIGURE 14	Age-Adjusted Death Rates – Montana and United States Residents, 1993-2002	49
FIGURE 15	Age at Death in Years by Sex and Race – Central Tendency and Dispersion, Montana Residents, 1993-2002	50
FIGURE 16	Five-Year Infant Mortality Rates and Fetal Mortality Ratios – Montana Residents, 1979-2002	51
FIGURE 17	Age-Adjusted Death Rates for All Causes of Death – Montana and U.S. Residents, 1993-2002 .	54
FIGURE 18	Age-Specific Death Rates for All Causes of Death – Montana and U.S. Residents, 1993-2002 .	54
FIGURE 19	Age-Adjusted Death Rates for Heart Disease – Montana and U.S. Residents, 1993-2002	55
FIGURE 20	Age-Specific Death Rates for Heart Disease – Montana and U.S. Residents, 1993-2002	55
FIGURE 21	Age-Adjusted Death Rates for Cancer – Montana and U.S. Residents, 1993-2002	56
FIGURE 22	Age-Specific Death Rates for Cancer – Montana and U.S. Residents, 1993-2002	56
FIGURE 23	Age-Adjusted Death Rates for Cerebrovascular Disease – Montana and U.S. Residents, 1993-2002	57
FIGURE 24	Age-Specific Death Rates for Cerebrovascular Disease – Montana and U.S. Residents, 1993-2002	57
FIGURE 25	Age-Adjusted Death Rates for Chronic Lower Respiratory Diseases – Montana and U.S. Residents, 1993-2002	58
FIGURE 26	Age-Specific Death Rates for Chronic Lower Respiratory Diseases – Montana and U.S. Residents, 1993-2002	58

FIGURE	CONTENTS	PAGE
FIGURE 27	Age-Adjusted Death Rates for Accidents — Montana and U.S. Residents, 1993-2002	59
FIGURE 28	Age-Specific Death Rates for Accidents — Montana and U.S. Residents, 1993-2002	59
FIGURE 29	Age-Adjusted Death Rates for Motor Vehicle Accidents — Montana and U.S. Residents, 1993-2002	60
FIGURE 30	Age-Specific Death Rates for Motor Vehicle Accidents — Montana and U.S. Residents, 1993-2002	60
FIGURE 31	Age-Adjusted Death Rates for Non-Motor-Vehicle Accidents — Montana and U.S. Residents, 1993-2002	61
FIGURE 32	Age-Specific Death Rates for Non-Motor-Vehicle Accidents — Montana and U.S. Residents, 1993-2002	61
FIGURE 33	Age-Adjusted Death Rates for Pneumonia and Influenza — Montana and U.S. Residents, 1993-2002	62
FIGURE 34	Age-Specific Death Rates for Pneumonia and Influenza — Montana and U.S. Residents, 1993-2002	62
FIGURE 35	Age-Adjusted Death Rates for Diabetes — Montana and U.S. Residents, 1993-2002	63
FIGURE 36	Age-Specific Death Rates for Diabetes — Montana and U.S. Residents, 1993-2002	63
FIGURE 37	Age-Adjusted Death Rates for Suicide — Montana and U.S. Residents, 1993-2002	64
FIGURE 38	Age-Specific Death Rates for Suicide — Montana and U.S. Residents, 1993-2002	64
FIGURE 39	Age-Adjusted Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana and U.S. Residents, 1993-2002	65

FIGURE	CONTENTS	PAGE
FIGURE 40	Age-Specific Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis – Montana and U.S. Residents, 1993-2002	65
FIGURE 41	Age-Adjusted Death Rates for Alzheimer's Disease – Montana and U.S. Residents, 1993-2002	66
FIGURE 42	Age-Specific Death Rates for Alzheimer's Disease – Montana and U.S. Residents, 1993-2002	66
FIGURE 43	Age-Adjusted Death Rates for Chronic Liver Disease and Cirrhosis – Montana and U.S. Residents, 1993-2002	67
FIGURE 44	Age-Specific Death Rates for Chronic Liver Disease and Cirrhosis – Montana and U.S. Residents, 1993-2002	67
FIGURE 45	Age-Adjusted Death Rates for Legal Intervention and Homicide – Montana and U.S. Residents, 1993-2002	68
FIGURE 46	Age-Specific Death Rates for Legal Intervention and Homicide – Montana and U.S. Residents, 1993-2002	68
FIGURE 47	Percent Distribution of Deaths By Selected Cause and Race – Male Montana Residents, 2002 .	71
FIGURE 48	Percent Distribution of Deaths By Selected Cause and Race – Female Montana Residents, 2002	72
Figure 49	Leading Causes of Death By Age – Montana Residents, 2002	74-79
FIGURE 50	Frequency of Death By Cause of Death – Montana Residents, 2002	80
FIGURE 51	Total Years of Potential Life Lost Before Age 75 By Cause of Death – Montana Residents, 2002	81
FIGURE 52	Average Years of Potential Life Lost Before Age 75 By Cause of Death – Montana Residents, 2002	82

FIGURE	CONTENTS	PAGE
FIGURE 53	Age at Death and Years of Potential Life Lost Before Age 75 By Cause of Death – Central Tendency and Dispersion–Montana Residents, 2002	83
FIGURE 54	Diagnoses of Prostate Cancer – Montana Residents, 1993-2002	86
FIGURE 55	Five-Year Relative Survival by Stage at Diagnosis for Prostate Cancer – Montana and the United States, 1993-2002	87
FIGURE 56	Diagnoses of Breast Cancer – Montana Residents, 1993-2002	88
FIGURE 57	Five-Year Relative Survival by Stage at Diagnosis for Breast Cancer – Montana and the United States, 1993-2002	88
FIGURE 58	Diagnoses of Lung Cancer – Montana Residents, 1993-2002	89
FIGURE 59	Five-Year Relative Survival by Stage at Diagnosis for Lung Cancer – Montana and the United States, 1993-2002	90
FIGURE 60	Diagnoses of Colorectal Cancer – Montana Residents, 1993-2002	90
FIGURE 61	Five-Year Relative Survival by Stage at Diagnosis for Colorectal Cancer – Montana and the United States, 1993-2002 . . .	91
FIGURE 62	Ratio of Induced Abortions to Live Births – Montana Occurrences, 1975-2002	92
FIGURE 63	Marriage Rates - Montana and the United States, 1968-2002	94
FIGURE 64	Marital Termination Rates - Montana and the United States, 1968-2002	95

INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) of DPHHS, the Montana Communicable Disease Program, also of DPHHS, and the Census and Economic Information Center of the Montana Department of Commerce. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. This report, and several additional tabulations, are available on the Montana Vital Statistics website: http://www.dphhs.state.mt.us/divisions/otd/vital/statistical_tables.htm. More detailed tabulations and analyses are available on request, as time and other resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 43 through 95. Vital statistics reference tables for 2002 appear on pages 02-1 through 02-81. Where space permits, data for one or more prior years are provided for comparison. Each reference table begins with a letter, describing its contents. For instance, the letter "S," standing for selected, is used for all tables combining statistics from two or more record types and the letter "B" is used in the numbering of all tabulations of live births. A "D" is used for all tabulations of death records. Likewise, "F" is used to indicate fetal death,"A" for induced abortion, "M" for marriage, and "MT" for marital termination (divorce). A "P" is used for population tables. "C" begins all tabulations of the incidence (i.e. new diagnoses) of cancer, and "R" indicates reportable diseases A "List of Reference Tables"--starting on page 02-iii, approximately halfway through this publication--describes each of the reference tables by its contents and location.

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death and transcripts of information on marriage, marital termination, and legally induced abortions. Any other source of data--such as the U.S. Bureau of the Census, the Montana Central Tumor Registry, or the Communicable Disease Program of DPHHS--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births occurring in Montana are registered electronically, as are many of the deaths. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting within 30 days.

Original certificates of birth, death, and fetal death, and reports of induced abortion, marriage, and some marital terminations, are forwarded to OVS. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-2002)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989-2002)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.
- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded.

FETAL MORTALITY (1989-2002)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education, of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.
- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993-2002)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993-2002)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989-2002)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records and transcripts for calendar year 2002 received before July 15, 2003. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births, the place of residence of the child is the usual state and county of residence of the mother. Place of residence, when reported for fetal deaths, is that of the mother.

Residence data for births, deaths, and fetal deaths occurring out-of-state are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table 27** are by Montana occurrence. The resident abortion statistics in **Table 27** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:			Duration
Immediate cause	Due to	(a) *postoperative bronchial pneumonia*	*3 days*
	Due to	(b) *lobectomy*	*1 week*
Underlying cause	Due to	(c) *primary cancer of lung*	*1 year*

Part II. Other significant conditions
Hypertensive cardiovascular disease

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with 0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population "estimates." This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated. Population data for census years are known as "enumerations," and refer to the resident population on April 15th of the year indicated. The Census Bureau arrives at enumerations without the use of Vital Records. Both estimates and enumerations are used to derive the population-based mortality and natality rates.

In recent years, OVS has relied on a special series of annual Census Bureau population estimates stratified by age and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

For births and fetal deaths, the race of the infant or fetus is defined as the reported race of the mother. This uniformity in definition allows Montana statistics to be compared to U.S., regional, and national statistics.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included as "Other." According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. More than 92% of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception or any time in between." "Unmarried" indicates that the mother was not married at any time during the pregnancy.

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with substantial populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with their relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

When the number of events is displayed, the occurrence of small numbers is obvious. When rates or percentages are based on small numbers of events, that fact may not be immediately apparent. Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions

cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can gage the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if there were ten births in a county and three of the new mothers were 18 or 19 years of age, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or the five-year "rolling" rates displayed in **Figure ?**. However, the OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10, the tenth and latest revision of this system for classification.

The discussion and tables in this report refer to the underlying cause-of-death, grouped into named diseases and conditions. These are groupings that the World Health Organization (WHO), NCHS, and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as "leading" causes of death. Corresponding ICD-9 codes are shown, as well as preliminary "comparability ratios" computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the

frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths classified in the latest version to that classified in the previous version is calculated. Such "comparability ratios" provide estimates of the change attributed to the revision alone and help distinguish "coding changes" from "real changes," (i.e. changes in the underlying forces of mortality in the population). The comparability ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana's death experience in 2002 or that of any other particular geographic location at any other time.

For example, the comparability ratio for "nephritis, nephrotic syndrome, and nephrosis", 1.2320, indicates we might expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will probably be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer's Disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of "Age-specific and age-adjusted death rates" in the Mortality section of the narrative.

Among other notable changes is the elimination of the ICD-9 category "chronic obstructive pulmonary diseases" (COPD), which has been replaced by the ICD-10 category "chronic lower respiratory diseases" (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include "extrinsic allergic alveolitis," i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes "misadventures to patients in surgical or medical care" (ICD-9: 870 - 876), "surgical and medical procedures causing reaction," (ICD-9: 878 - 879), and "drugs causing adverse effects in therapeutic use " (ICD-9: 930 - 949) from the "accidents" category and places them in a new category called "complications of medical and surgical care."

The ICD-9 category "homicide and legal intervention," which was reportable as a leading cause of death, was replaced by "assault" which no longer contains "legal intervention" (ICD-9: 970 - 978) but still contains "homicide" (ICD-9: 960 - 969).

Figures 2, 3, 4, and 5 show ICD-10 code ranges for cause-of-death categories displayed in **Tables D-1, D-2, D-7, and F-1**, respectively. **Table D-1** lists up to 358 causes of death commonly listed by NCHS. **Table D-2** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table D-7** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death. **Table F-1** lists up to 124 causes of fetal death.

Figure 1

CLASSIFICATION CODES (ICD-10 AND ICD-9) FOR UNDERLYING CAUSES OF DEATH

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 – N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating in the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, Y85 – Y86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, Y85 - Y86	E800 - E807, E826 -E929	1.1134
Intentional Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.
N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1 Certain infectious and parasitic diseases	**A00-B99**
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiases	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiases	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	**C00-D48**
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	**D50-D89**
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	**E00-E88**
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	**F01-F99**
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	**G00-G98**
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 **VII Diseases of the eye and adnexa**	**H00-H57**
155 **VIII Diseases of the ear and mastoid process**	**H60-H93**
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-I13
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	**J00-J98**
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	**K00-K92**
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	**L00-L98**
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connectivetissue	**M00-M99**
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	**N00-N98**
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	**O00-O99**
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	**P00-P96**
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	**Q00-Q99**
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	**R00-R99**
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	**V01-Y89**
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34,V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99,Y85
Falls	W00-W19
312 Fall on same level	W00-W09,W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH		ICD–10 CODE(S)
#	Chronic lower respiratory diseases	J40-J47
70	Bronchitis, chronic and unspecified	J40-J42
71	Emphysema	J43
72	Asthma	J45-J46
73	Other chronic lower respiratory diseases	J44, J47
74#	Pneumoconioses and chemical effects	J60-J66, J68
75#	Pneumonitis due to solids and liquids	J69
76	Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77#	Peptic ulcer	K25-K28
78#	Diseases of appendix	K35-K38
79#	Hernia	K40-K46
#	Chronic liver disease and cirrhosis	K70, K73-K74
80	Alcoholic liver disease	K70
81	Other chronic liver disease and cirrhosis	K73-K74
82#	Cholelithiasis and other disorders of gallbladder	K80-K82
#	Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83	Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01,N04
84	Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85	Renal failure	N17-N19
86	Other disorders of kidney	N25, N27
87#	Infections of kidney	N10-N12, N13 6, N15,1
88#	Hyperplasia of prostate	N40
89#	Inflammatory diseases of female pelvic organs	N70-N76
#	Pregnancy, childbirth and the puerperium	O00-O99
90	Pregnancy with abortive outcome	O00-O07
91	Other complications of pregnancy, childbirth and the puerperium	O10-O99
92#	Certain conditions originating in the perinatal period	P00-P96
93#	Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95	All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
#	Accidents	V01-X59, Y85-Y86
	Transport accidents	V01-V99, Y85
96	Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99,Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Oher and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83 2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD–10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36,Y87 0,Y87 2,Y89

Figure 5

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

All causes	
Certain infectious and parasitic diseases	A00-B99
1# Congenital syphilis	A50
2# Human immunodeficiency virus (HIV) disease	B20-B24
3 Other viral diseases	A80-B19,B25-B34
4 Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5# Malignant neoplasms	C00-C97
6# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7# Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	E00-E88
8# Short stature, not elsewhere classified	E343
9# Cystic fibrosis	E84
10 Other endocrine, nutritional and metabolic diseases	E00-E32,E340-E342,E344-E349,E40-E83,E85-E88
11# Meningitis	G00,G03
12 Other diseases of nervous system and sense organs	G04-H93
13# Umbilical hernia	K42
14 Other hernia	K40-K41,K43-K46
15 Other and unspecified diseases of digestive system	K00-K38,K50-K92
16 All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98
Certain conditions originating in the perinatal period	P00-P96
# Fetus affected by maternal conditions that may be unrelated to present pregnancy	P00
17 Fetus affected by maternal hypertensive disorders	P000
18 Fetus affected by maternal renal and urinary tract diseases	P001
19 Fetus affected by maternal infectious and parasitic diseases	P002
20 Fetus affected by other maternal circulatory and respiratory diseases	P003
21 Fetus affected by maternal nutritional disorders	P004
22 Fetus affected by maternal injury	P005
23 Fetus affected by surgical procedure on mother	P006
24 Fetus affected by other medical procedures and maternal conditions	P007-P008
25 Fetus affected by unspecified maternal condition	P009
# Fetus affected by maternal complications of pregnancy	P01
26 Fetus affected by incompetent cervix	P010
27 Fetus affected by premature rupture of membranes	P011
28 Fetus affected by oligohydramnios	P012

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

29 Fetus affected by polyhydramnios	P013
30 Fetus affected by ectopic pregnancy	P014
31 Fetus affected by multiple pregnancy	P015
32 Fetus affected by maternal death	P016
33 Fetus affected by malpresentation before labor	P017
34 Fetus affected by other and unspecified maternal complications of pregnancy	P018-P019
# Fetus affected by complications of placenta, cord and membranes	P02
35 Fetus affected by placenta previa	P020
36 Fetus affected by other forms of placental separation and hemorrhage	P021
37 Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P022
38 Fetus affected by placental transfusion syndromes	P023
39 Fetus affected by prolapsed cord	P024
40 Fetus affected by other compression of umbilical cord	P025
41 Fetus affected by other and unspecified conditions of umbilical cord	P026
42 Fetus affected by chorioamnionitis	P027
43 Fetus affected by other and unspecified abnormalities of membranes	P028-P029
# Fetus affected by other complications of labor and delivery	P03
44 Fetus affected by breech delivery and extraction	P030
45 Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P031
46 Fetus affected by forceps delivery	P032
47 Fetus affected by delivery by vacuum extractor (ventouse)	P033
48 Fetus affected by cesarean delivery	P034
49 Fetus affected by precipitate delivery	P035
50 Fetus affected by abnormal uterine contractions	P036
51 Fetus affected by other and unspecified complications of labor and delivery	P038-P039
52# Fetus affected by noxious influences transmitted via placenta	P04
53# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birth weight, not elsewhere classified	P07

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

54 Extremely low birth weight or extreme immaturity	P070,P072
55 Other low birth weight and preterm	P071,P073
# Disorders related to long gestation and high birth weight	P08
56 Exceptionally large size and other heavy for gestational age fetus	P080-P081
57 Post-term, not heavy for gestational age fetus	P082
# Birth trauma	P10-P15
58 Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59 Other birth trauma	P12-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
60 Intrauterine hypoxia first noted before onset of labor	P200
61 Intrauterine hypoxia first noted during labor and delivery	P201
62 Intrauterine hypoxia, unspecified	P209
63 Birth asphyxia	P21
Other respiratory conditions originating in the perinatal period	P23-P28
64# Congenital pneumonia	P23
65# Aspiration syndromes	P24
66# Interstitial emphysema and related conditions originating in the perinatal period	P25
67# Atelectasis	P280-P281
68 Other respiratory system disorders	P26-P27,P282-P289
Infections specific to the perinatal period	P35-P39
69# Congenital rubella syndrome	P350
70# Congenital cytomegalovirus infection	P351
71# Congenital herpesviral (herpes simplex) infection	P352
72# Congenital viral hepatitis	P353
73# Bacterial sepsis	P36
74# Congenital tuberculosis	P370
75# Congenital toxoplasmosis	P371
76 Other infections specific to the perinatal period	P358-P359,P372-P379,P38-P39
77# Fetal hemorrhage	P50-P54
# Hemolytic disease of fetus	P55-P56
78 Rh isoimmunization of fetus	P550
79 ABO isoimmunization of fetus	P551
80 Other hemolytic disease of fetus	P558-P559
81 Hydrops fetalis due to hemolytic disease	P56
82# Perinatal jaundice	P57-P59
83# Hematological disorders	P60-P61
Transitory endocrine and metabolic disorders specific to fetus	P70-P74

Figure 5 (CONTINUED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

84# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P700-P702
85 Other transitory endocrine and metabolic disorders specific to fetus	P703-P709,P71-P74
86# Digestive system disorders of fetus	P76-P78
Other conditions originating in the perinatal period	P80-P96
87# Hydrops fetalis not due to hemolytic disease	P832
88# Fetal death of unspecified cause	P95
89# Withdrawal symptoms from maternal use of drugs of addiction	P961
90# Termination of pregnancy	P964
91# Complications of intrauterine procedures, not elsewhere classified	P965
92 All other specified conditions originating in the perinatal period	P80-P81,P830-P831,P833-P839,P90-P91,P93-P94,P960,P963,P968
93 Condition originating in the perinatal period, unspecified	P969
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Congenital malformations of nervous system	Q00-Q07
94 Anencephaly and similar malformations	Q00
95 Encephalocele	Q01
96 Microcephaly	Q02
97 Congenital hydrocephalus	Q03
98 Reduction deformities of brain	Q040-Q043
99 Other congenital malformations of brain	Q044-Q049
100 Spina bifida	Q05
101 Other congenital malformations of spinal cord and nervous system	Q06-Q07
102 Congenital malformations of eye, ear, face and neck	Q10-Q18
103 Congenital malformations of heart	Q20-Q24
104 Other congenital malformations of circulatory system	Q25-Q28
105 Congenital malformations of lung	Q33
106 Other congenital malformations of respiratory system	Q30-Q32,Q34
107 Congenital malformations of digestive system	Q35-Q45
108 Congenital malformations of genital organs	Q50-Q56
Congenital malformations of urinary system	Q60-Q64
109 Renal agenesis and other reduction defects of kidney	Q60
110 Cystic kidney disease	Q61
111 Other congenital malformations of urinary system	Q62-Q64

Figure 5 (CONCLUDED)

INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

112 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Other congenital malformations	Q86-Q89
113 Conjoined twins	Q894
114 Multiple congenital malformations, not elsewhere classified	Q897
115 All other congenital malformations	Q86-Q87,Q890-Q893,Q898-Q899
Chromosomal abnormalities, not elsewhere classified	Q90-Q99
116 Down's syndrome	Q90
117 Edward's syndrome	Q910-Q913
118 Patau's syndrome	Q914-Q917
119 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
120 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
External causes of mortality	V01-Y84
121# Accidents	V01-X59
122# Assault (homicide)	X85-Y09
123# Complications of medical and surgical care	Y40-Y84
124 Other external causes	Y10-Y36

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor to adjust for the composition of the population. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$Abortion\ ratio = \frac{Number\ of\ induced\ abortions}{Number\ of\ live\ births} \times 1{,}000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month and day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$Age\text{-}adjusted\ death\ rate = \sum_{i=1}^{11} S_i w_i$$

where S_i = *the age-specific death rate for the* i^{th} *age group*

where w_i = *the weight of the* i^{th} *age group in the standard population*

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The "standard 11" age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, … , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$Age\ specific\ death\ rate = \frac{Number\ of\ deaths\ within\ the\ age\ group}{Midyear\ population\ of\ the\ age\ group} \times 1{,}000$$

APGAR SCORE - an evaluation of a newborn infant's physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or "subject" population is the denominator in a rate calculation. (See the use of "at risk" in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ birth\ rate = \frac{Number\ of\ live\ births}{Midyear\ population} \times 1{,}000$$

COUNTY - as used in table titles, either an incorporated county or that part of Yellowstone National Park which is located in Montana. For example, a tabulation of deaths "by county of occurrence" would show deaths in the Montana portion of Yellowstone National Park as "county" occurrences.

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$Crude\ death\ rate = \frac{Number\ of\ deaths}{Midyear\ population} \times 1{,}000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$Fertility\ rate = \frac{Number\ of\ live\ births}{Midyear\ population\ of\ women\ aged\ 15-44} \times 1{,}000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after complete birth-that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no provision in Montana law for reporting the birth of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Fetal\ mortality\ ratio = \frac{Number\ of\ fetal\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the "Cause of Death Certification" and "Cause of Death and Conversion to ICD-10" sections of this report for further details).

INCIDENCE RATE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a legal, medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$Infant\ mortality\ rate = \frac{Number\ of\ infant\ deaths}{Number\ of\ live\ births} \times 1{,}000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH - a woman's death attributable to childbirth or complications of pregnancy, delivery, and the puerperium.

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$Maternal\ mortality\ rate = \frac{Number\ of\ maternal\ deaths}{Number\ of\ live\ births} \times 100{,}000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two "middle" values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$Out-of-wedlock\ birth\ ratio = \frac{Number\ of\ live\ out-of-wedlock\ births}{Number\ of\ livebirths} x\ 1{,}000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand persons in that population. It is calculated as follows:

$$Perinatal\ mortality\ rate = \frac{Number\ of\ fetal\ deaths + neonatal\ deaths}{Number\ of\ live\ births} x\ 1{,}000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how "spread out" a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\textit{Standard deviation} = \sqrt{\frac{1}{N}\sum_{i=1}^{N}(x_i - \mu)^2}$$

where μ = *the mean of the set of N values*

where x_i = *the* i^{th} *value in the set of N values*

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient's immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

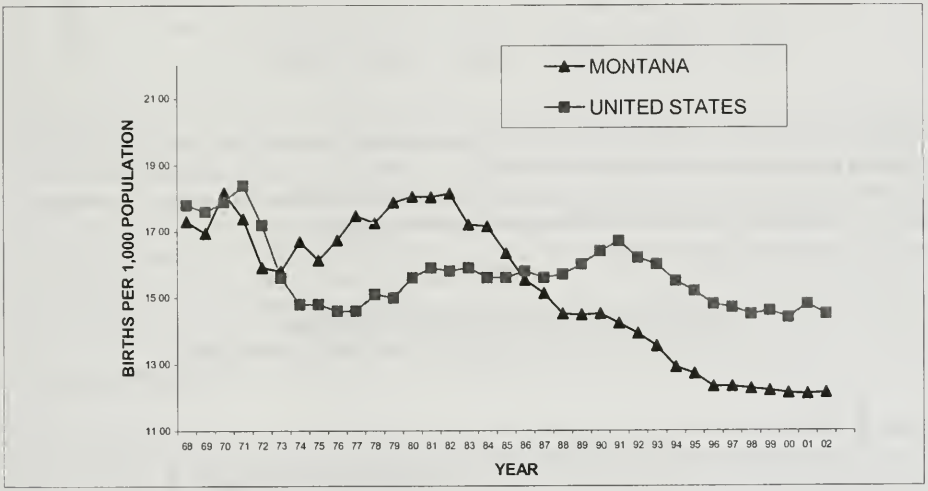
NATALITY

There were 11,045 babies born to Montana residents in 2002. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

The frequency of birth for Montana residents increased slightly in 2000, 2001 and 2002, and the birth rate appears to have stabilized—at least, for now—at 12.1 per 1,000 population. **Figure 6** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 6

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1968-2002



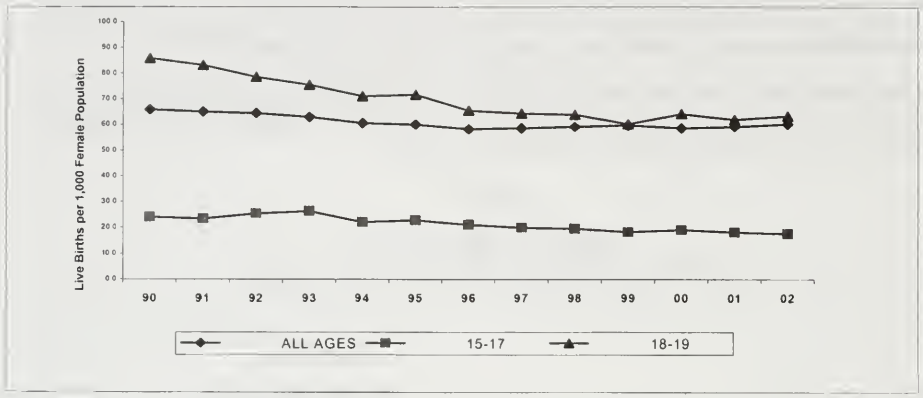
While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-80's, and has been the lower of the two since. Preliminary national estimates for 2002 showed Montana's birth rate to be among the lowest in the nation and the lowest for any state west of the Mississippi river. The Montana birth rate for 2002 is, along with the rates for the previous two years, the lowest ever recorded for the state.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is more useful than the birth rate for many analytic purposes because it is specific with regards to sex and age of the "at-risk" population. Montana's fertility rate for the last decade, also among the lowest in the nation, is shown in **Figure 7** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

Figure 7

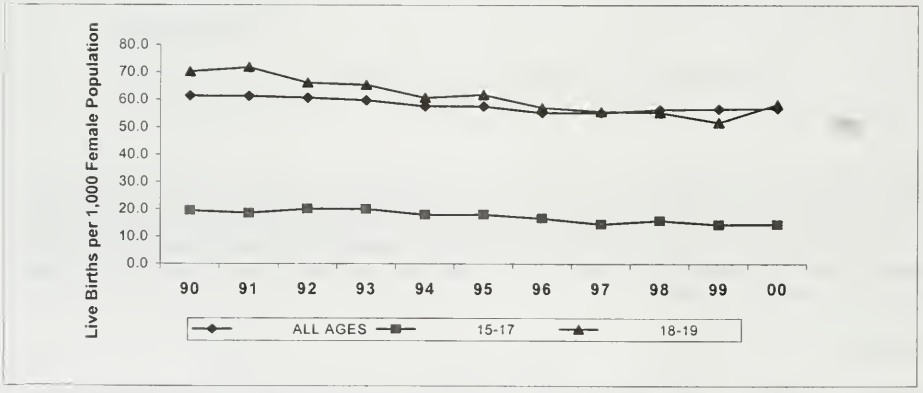
FERTILITY RATES FOR MOTHERS OF ALL RACES
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2002



The rate of fertility among various racial groups can be quite different from those of the entire population, as is illustrated in **Figure 8** below and **Figure 9** on the next page. Although the detailed population data by race and age are not yet available to calculate fertility rates by race for 2001 and 2002, examination of the respective rates for whites and Native Americans for the previous decade is revealing.

Figure 8

FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2000*

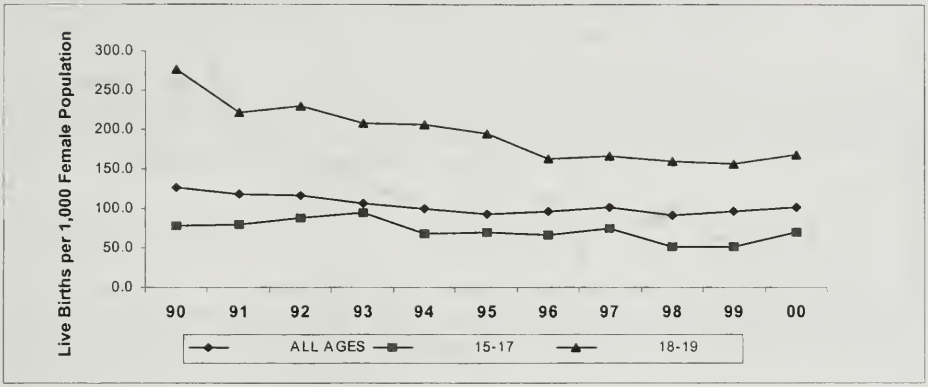


* Beginning in the year 2000, the Census now records the number of persons of multiple races. Therefore, the enumeration of whites in that year may be an undercount and the white fertility rate a slight overestimate. Detailed population estimates for 2001 and 2002 are unavailable.

In 2000, the fertility rate for Montana's white mothers of any age was 57.0. The rate for white mothers between 15 and 17 was 14.5, and the rate for white mothers between the ages of 18 and 19 was 58.4. Fertility rates for Native Americans were substantially higher in all age groups—101.7, 70.4, and 168.1, respectively.

Figure 9

FERTILITY RATES FOR NATIVE AMERICAN MOTHERS MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2000*



* Beginning in the year 2000, the Census now records the number of persons of multiple races. Therefore, the enumeration of Native Americans in that year may be an undercount and the Native American fertility rate a slight overestimate. Detailed population estimates for 2001 and 2002 are unavailable.

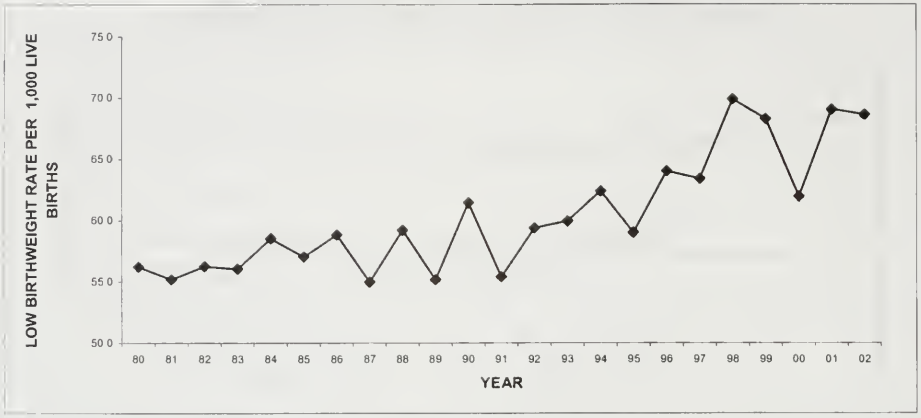
Fertility rates for all age groups in both of these racial groups fell over this period. Rates of change, however, were quite varied. Rates for whites fell 7.2% for all ages, with reductions of 25.7% for teens aged 15-17, and 16.8% for teens aged 18-19. Reductions were 20.1%, 10.1%, and 39.2%, respectively, for Native Americans. Over all, the fertility rates for Native Americans were higher than for whites in 2000, but they fell faster during the preceding decade. The exception was in the 15-17 age group. The Native American rate in 2000 was nearly five times as great as the rate for whites, but decline of their rates was only 39.1% of that for whites.

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 10**, on the following page, shows an increasing rate of low birthweight babies born to Montanans. The rate was 56.3 in 1980 and 68.6 in 2002. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this does not seem to be the case for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 16** show. While the low birthweight rate trends upward, rates of infant death are falling for Montana residents.

Figure 10

RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1980-2002



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2002 were predominantly married white women between the ages of 20 and 35 years. **Table S-8** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 11

PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS

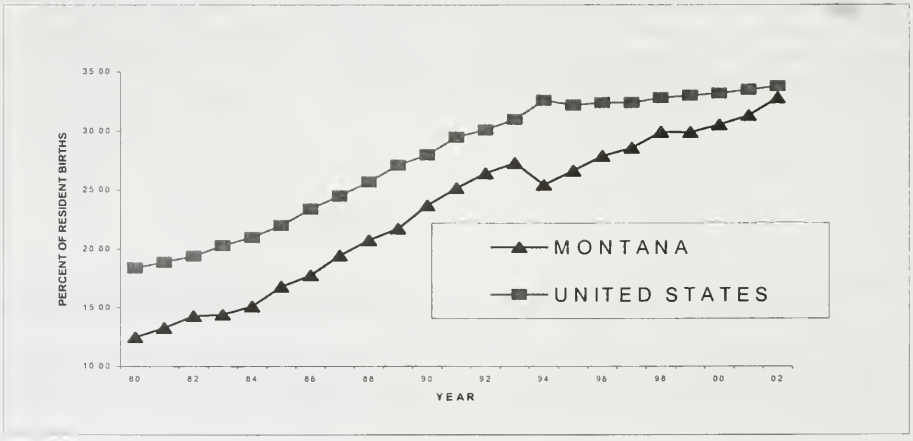


Table B-1 shows the frequency and percent distribution of resident births to unmarried mothers for the years 1998 through 2002. **Table S-7** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2002. **Figure 11**, on the previous page, shows the trend in those births to unmarried women for Montana and the United States since 1980. Births to unmarried women represented 12.5% of Montana's resident births in 1980, 23.7% in 1990, 30.5% in 2000, and 32.8% in 2002.

By comparison, unmarried women in the U.S. accounted for 18.4% of the resident births in 1980, 28.0% in 1990, 33.2% in 2000, and 33.8% in 2002 (preliminary). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion, The Montana trend appears to be converging with the national trend in the last few years.

METHOD OF DELIVERY

More than four-fifths of the infants delivered in Montana in the years 1993 through 2002 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 12** shows, the likelihood of a vaginal delivery decreases somewhat with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 12

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1993-2002

METHOD OF DELIVERY		ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS	Number	109,088	130	4,228	8,812	29,857	30,153	22,903	10,710	2,183	107	5
	Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
VAGINAL	Number	83,964	111	3,683	7,396	24,020	23,153	16,648	7,455	1,420	75	3
	Percent	77.0	85.4	87.1	83.9	80.5	76.8	72.7	69.6	65.0	70.1	60.0
VAGINAL AFTER C-SECTION	Number	3,349	-	5	79	665	1,029	996	481	91	3	-
	Percent	3.1	0.0	0.1	0.9	2.2	3.4	4.3	4.5	4.2	2.8	0.0
PRIMARY C-SECTION	Number	13,233	19	524	1,162	3,555	3,436	2,767	1,388	364	18	-
	Percent	12.1	14.6	12.4	13.2	11.9	11.4	12.1	13.0	16.7	16.8	0.0
REPEAT C-SECTION	Number	8,494	-	14	172	1,611	2,524	2,475	1,381	306	11	-
	Percent	7.8	0.0	0.3	2.0	5.4	8.4	10.8	12.9	14.0	10.3	0.0
NOT STATED	Number	48	-	2	3	6	11	17	5	2	-	2
	Percent	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	40.0

MORTALITY

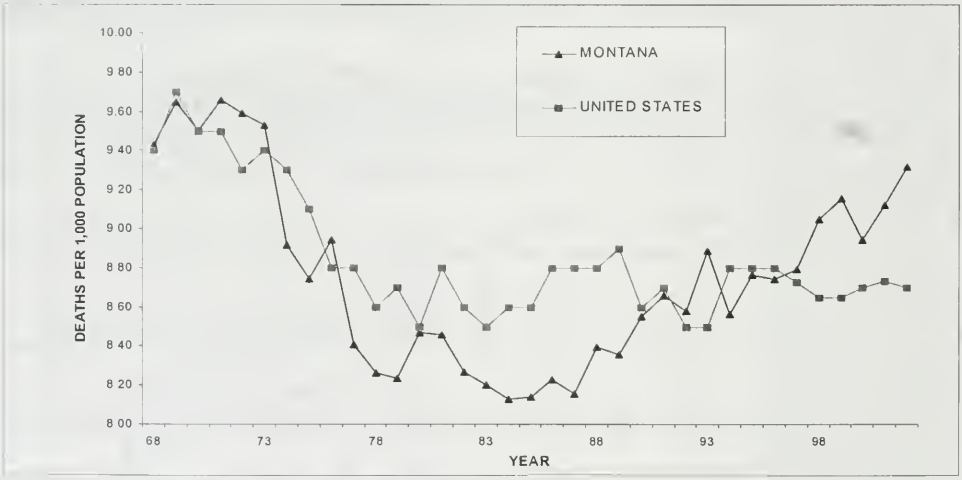
Montana's crude annual resident mortality rate in 2002 was 9.3 per 1,000 estimated midyear population. There were 8,473 Montana residents that died in that year, with their median age being 78 years. Of these people, 4,173 (49.3%) were males and 4,300 (50.7%) were females; this was the first time in ten years that fewer resident Montana males died than females. This relationship was only exhibited in the white race where there were 4,095 white females (48.3% of all deaths) compared to 3908 white males (46.1% of all deaths) among Montana residents for 2002. There were 8,003 white resident decedents (94.5%) and 433 Native Americans (5.1%).

By way of comparison, Montana's population was almost evenly divided between males (49.8%) and females (50.2%). According to the U.S. Census Bureau, 90.6% of Montana's resident population in 2000 was white and 6.2% was Native American. (One and seven-tenths percent of the population reported themselves as being of mixed race.)

Figure 13 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1968 through 2002. Montana's annual rate follows the national trend fairly closely throughout this period. However, there were slight deviations, particularly in the 1980s and late nineties. Montana's rate displayed no consistent trend from 1967 to 1973, averaging about 9.5 deaths per 1,000 population. Montana and The United States dropped precipitously beginning in the early 1970s, and Montana, for the most part, has been rising since the mid-1980s. The increase of Montana's rate from 9.1 in 2001 to 9.3 in 2002 reflects an increase of 2.1% in the number of deaths and an increase of 0.56% in size of the resident population.

Figure 13

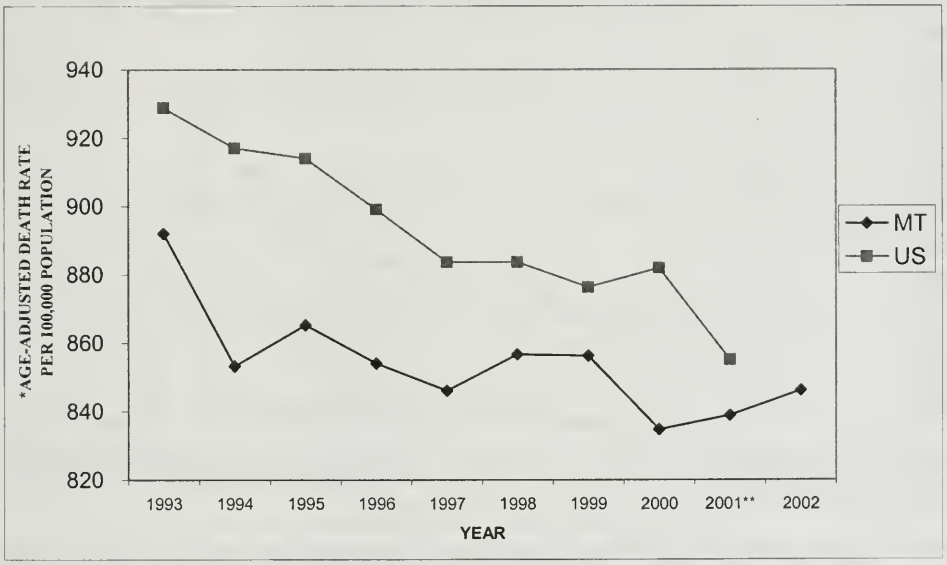
RESIDENT CRUDE DEATH RATES
MONTANA AND THE UNITED STATES, 1968 - 2002



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of "age adjusted death rate" in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and also see the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 14

AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1993- 2002



* Adjusted with the direct method to the year projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 14 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for eight of the ten years profiled, averaging about 96.2% of the national rate.

Figure 15 summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1993 to 2002.

Figure 15

AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1993 - 2002

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25TH PERCENTILE	MEDIAN AGE	75TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	78,650	0	66.0	77.0	85.0	111	72.9	18.6
MALE	40,746	0	62.0	75.0	83.0	109	69.6	19.1
FEMALE	37,903	0	70.0	81.0	88.0	111	76.5	17.3
WHITE								
TOTAL	74,730	0	67.0	78.0	86.0	111	73.8	17.9
MALE	38,514	0	63.0	75.0	83.0	109	70.5	18.4
FEMALE	36,215	0	71.0	81.0	88.0	111	77.2	16.6
NATIVE AMERICAN								
TOTAL	3,619	0	42.0	61.0	75.0	107	56.8	23.4
MALE	2,067	0	37.0	57.0	72.0	107	53.4	23.6
FEMALE	1,552	0	49.0	65.0	78.0	104	61.3	22.3
OTHER								
TOTAL	301	0	45.0	67.0	79.0	101	59.6	26.2
MALE	165	0	38.0	63.0	77.0	101	56.7	25.7
FEMALE	136	0	53.5	70.0	82.0	101	63.0	26.4

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile;* half at or under the age at the *median* (or *50th percentile)* etc. The *standard deviation* measures the concentration of the distribution around its mean.

In the last decade, whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 42 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.4) compared to whites (17.9); thus, a larger proportion of Native Americans died at younger- or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 81 years,

compared to 75 years for white men. The median age for Native American women was 65years, compared to 57 years for Native American men.

Decedents of all "other" races were a much smaller proportion of the Montana total decedents (less than 0.4%) and their age distributions were more similar to the Native American distributions than those of the White Montanans.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-I shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and yearly from 1946 through 2002 for deaths of Montana residents (regardless of place of occurrence).

Figure 16

FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS MONTANA RESIDENTS, 1979 - 2002

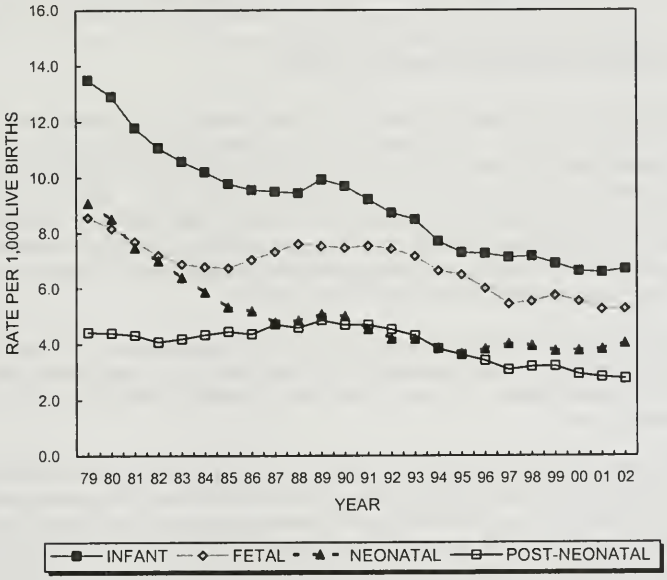


Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1979 through 2002. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births, was nearly halved during this interval. It declined from 13.5 in 1979 to 6.8 in 2002. The five-year death rate for the infants dying in the neonatal period, the first 28

days of life, was more then halved during this period, declining from 9.1 per 1,000 live births in 1979 to 4.0 in 2002. The rate for post-neonatal infants (infants 28 days and older) declined by more than one-third, falling from 4.4 to 2.8 per 1,000 live births. The five-year fetal mortality ratio also declined during this period, falling by more than one-third, from 8.6 deaths per 1,000 live births in 1979 to 5.3 in 2002.

There were 51 resident fetal deaths and 81 resident infant deaths in Montana in 2002. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana county of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (See **Figure 2** for a complete listing of all 358 potential causes that could appear in Table D-1. See **Figure 4** for a complete list of the 130 potential causes that could appear in Table D-7.) Sudden infant death syndrome (SIDS) together with congenital malformations, deformations, and chromosomal anomalies caused more than two-fifths of all infant deaths in 2002.

Table F-1 shows the frequency of fetal deaths by race, sex, gestational age, and selected cause of fetal death. (See **Figure 5** for a complete list of the124 potential causes that could appear in Table F-1.) **Table S-4** shows the frequency of fetal, infant and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions, they are considered to be different populations.)

In the past, the resident population of Montana (and of the nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to "adjust" for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rate for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be

concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

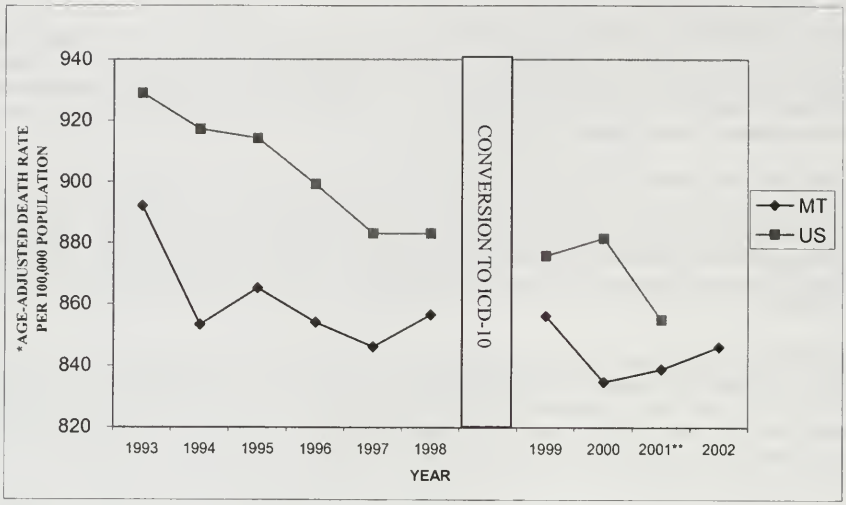
Figures 17 through 46 display age-adjusted death rates for several of the leading causes of death in Montana and the United States. These rates are age-adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana's age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying cause of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 17

AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 18

AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1993-2002

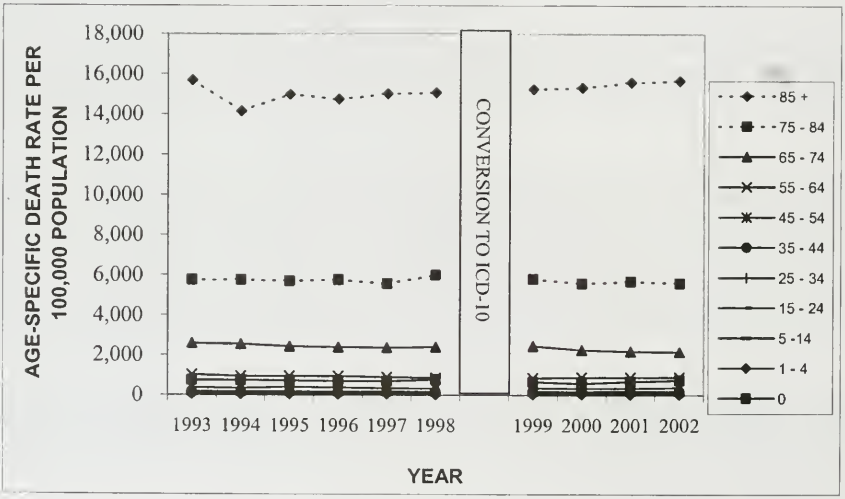
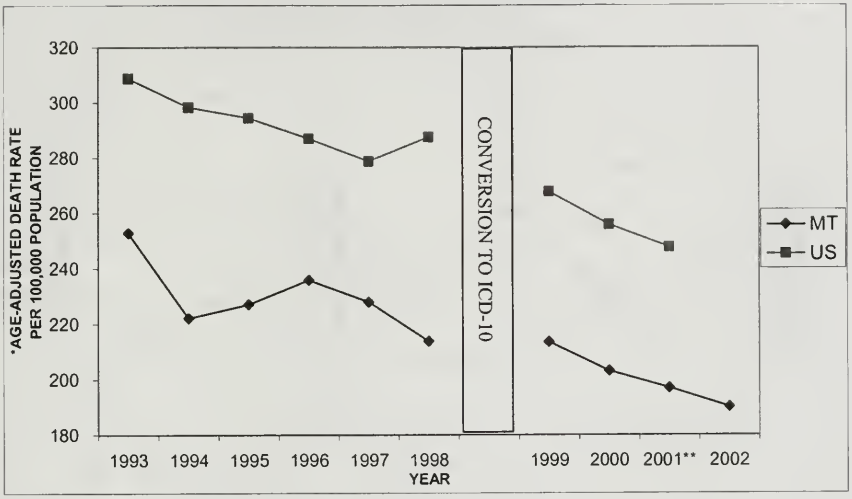


Figure 19

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 20

AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13,I20-I51
MONTANA RESIDENTS, 1993-2002

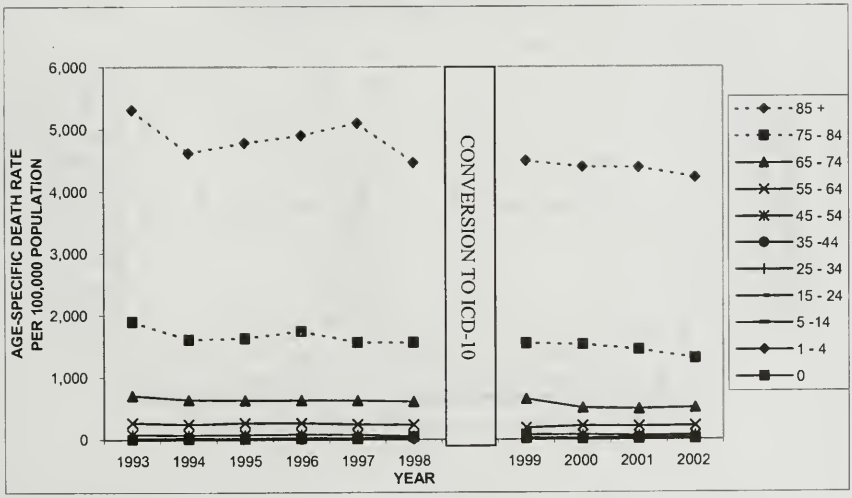
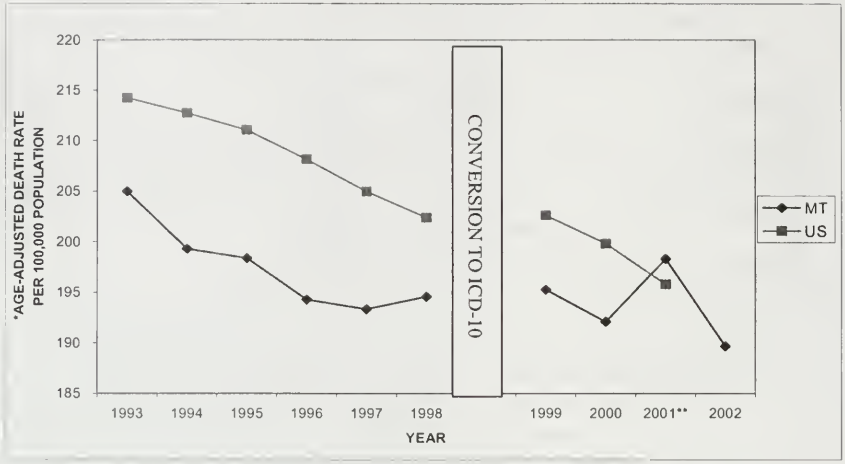


Figure 21

AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 22

AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1993-2002

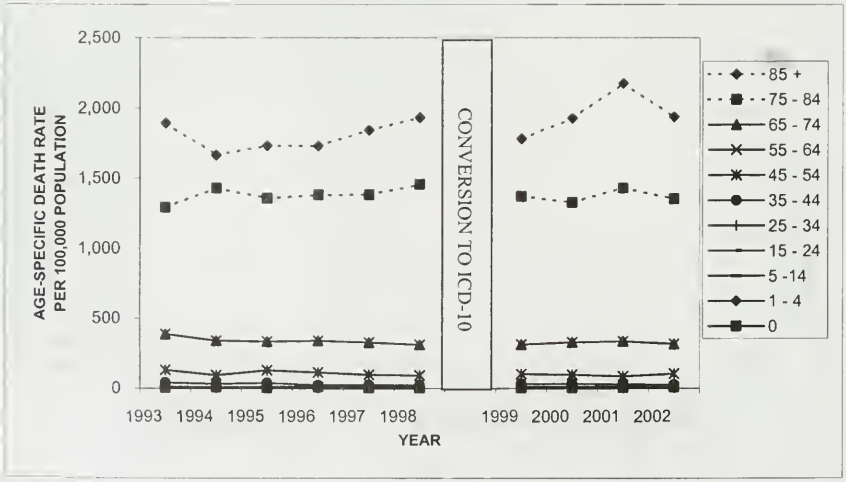
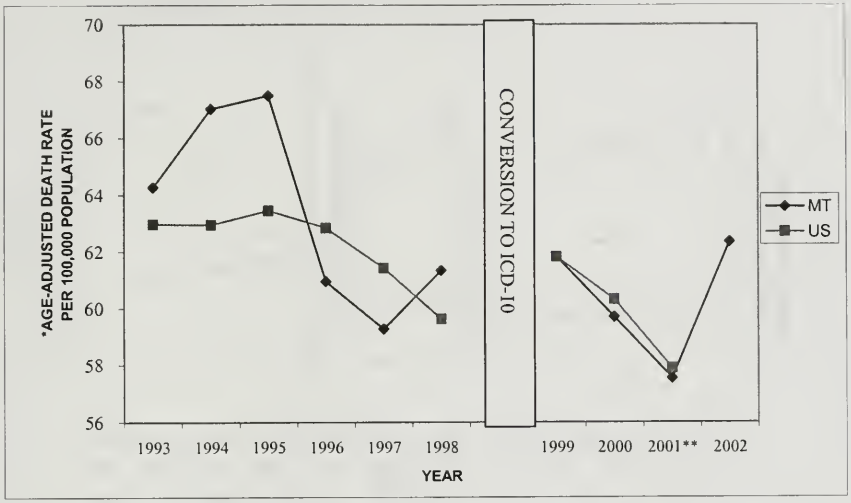


Figure 23

AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9: 430-438; ICD-10: I60-I69
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 24

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9: 430-438; ICD-10: I60-I69
MONTANA RESIDENTS, 1993-2002

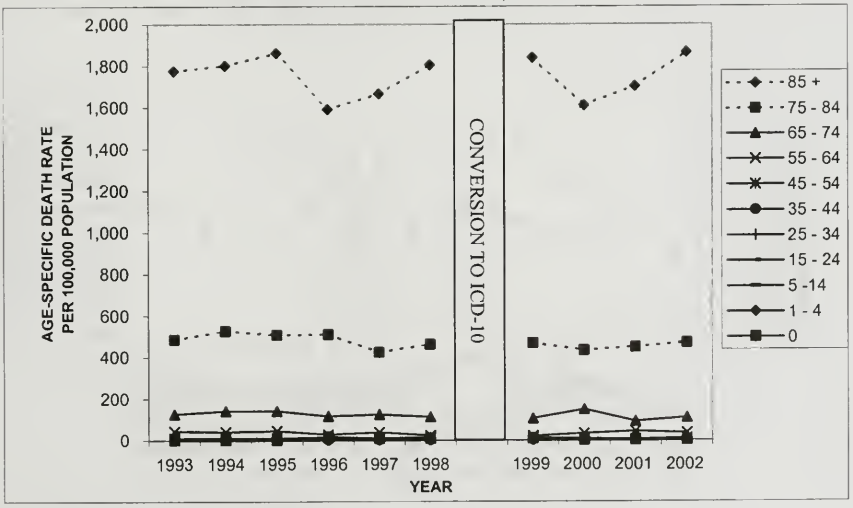
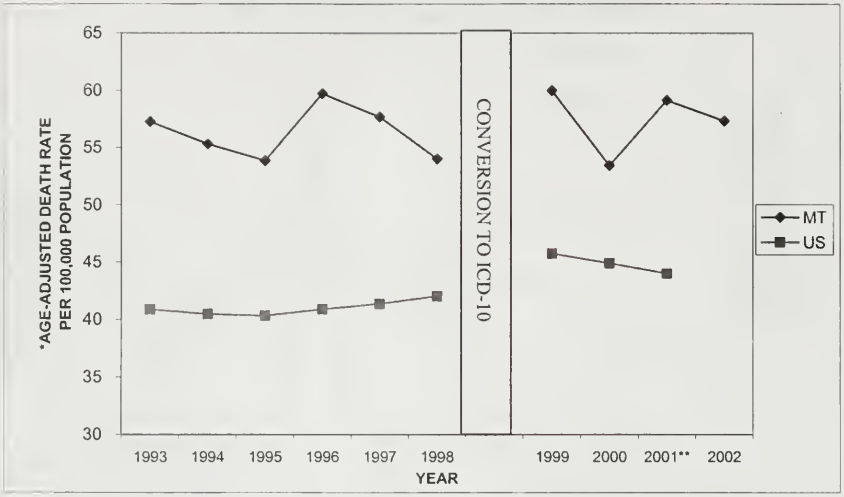


Figure 25

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67***
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..
***The Frequencies for Montana were exactly the same for C.O.P.D. coded events

Figure 26

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS N, 1993-2002

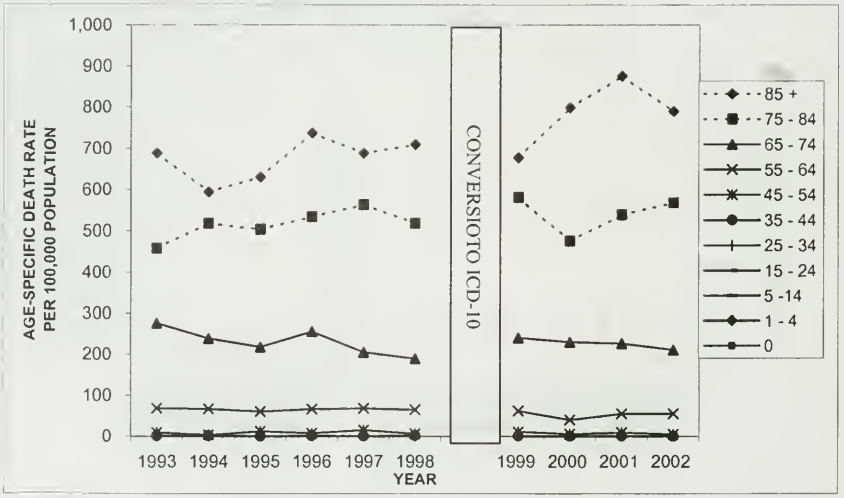
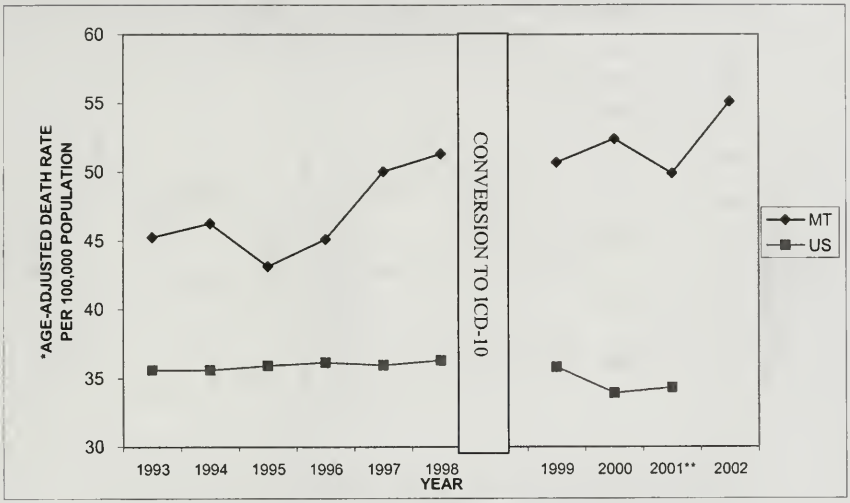


Figure 27

AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 28

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1993-2002

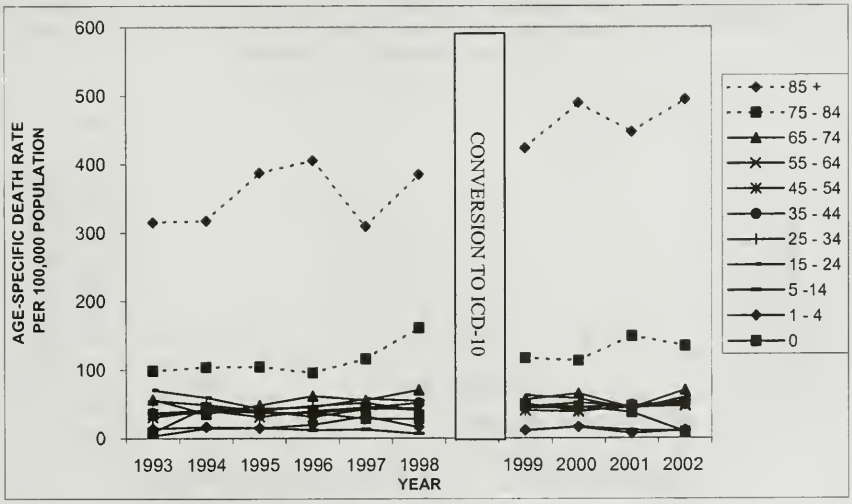
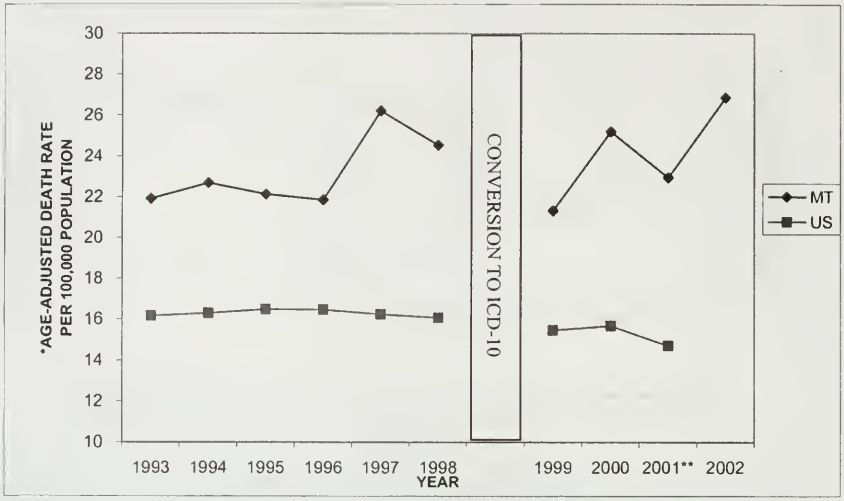


Figure 29

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 30

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1993-2002

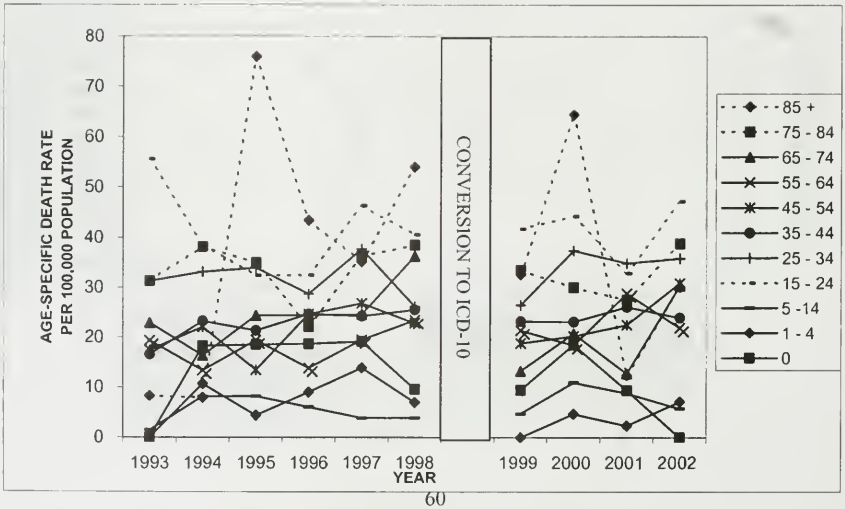
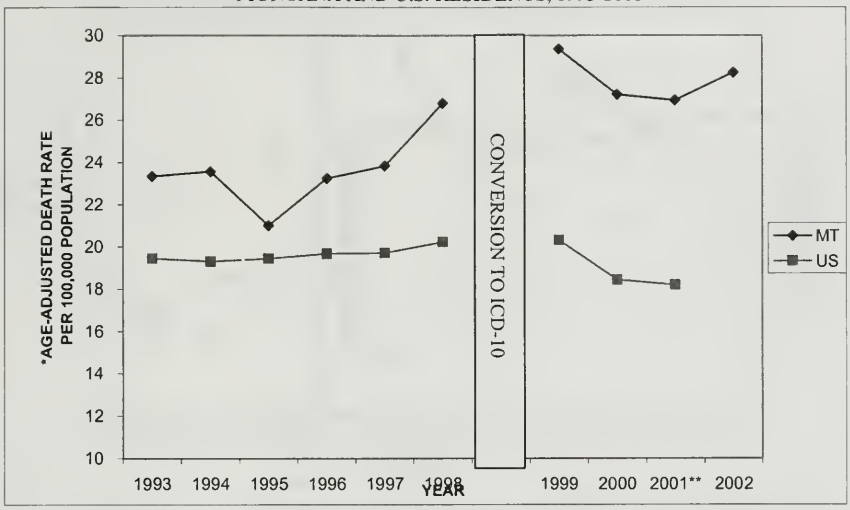


Figure 31

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 32

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18,V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1993-2002

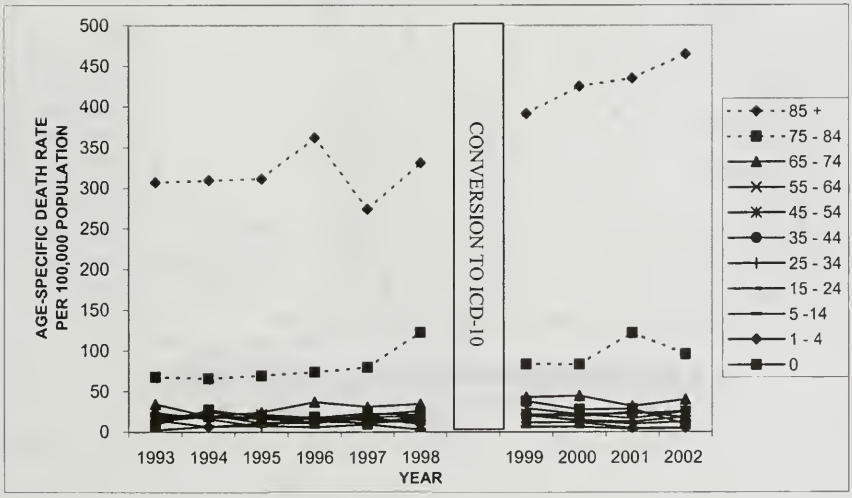
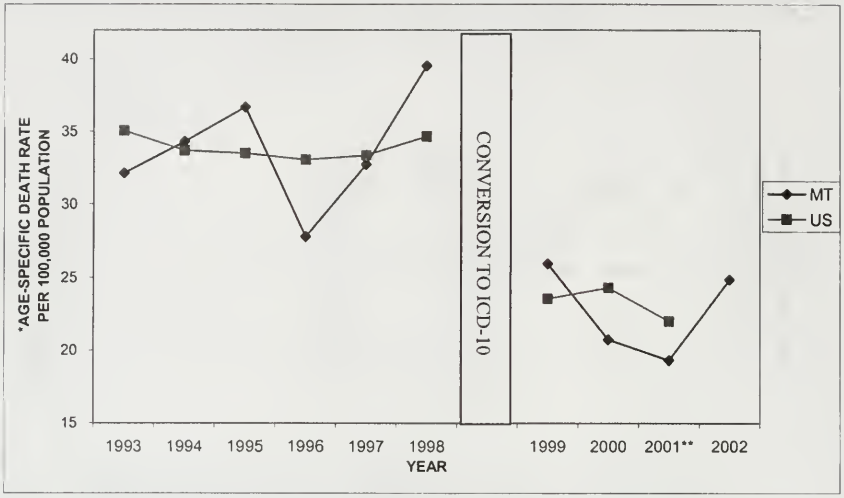


Figure 33

AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 34

AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1993-2002

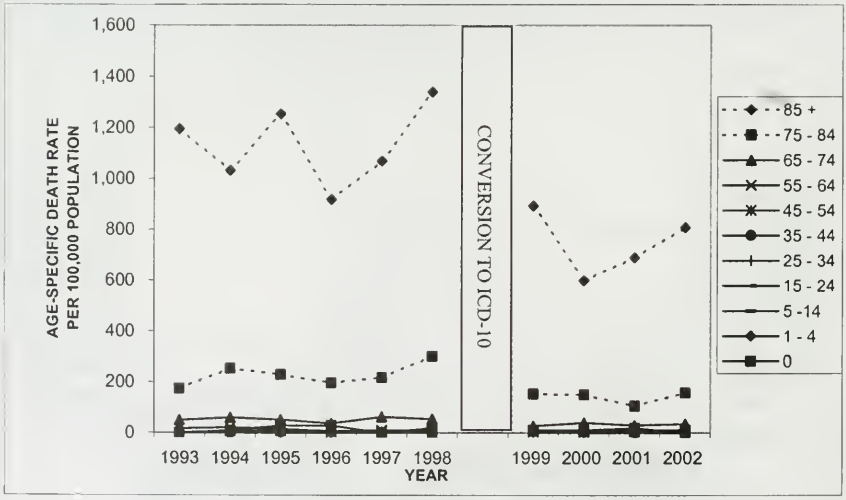
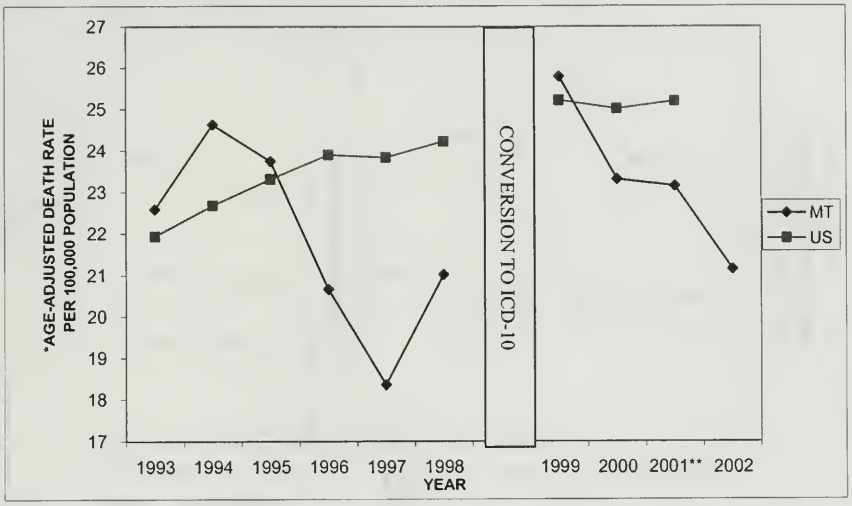


Figure 35

AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 36

AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1993-2002

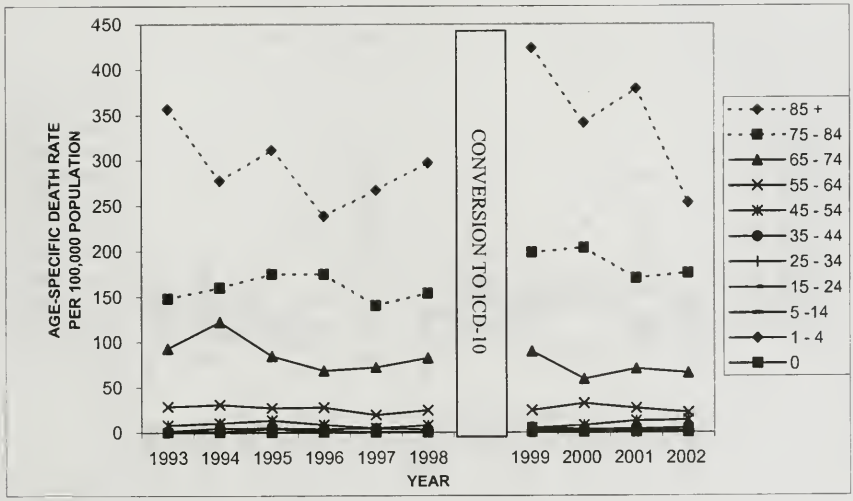
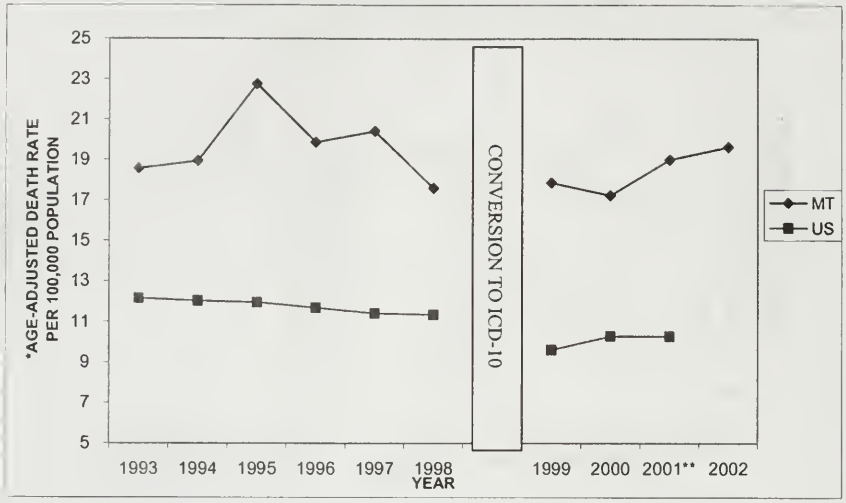


Figure 37

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 38

AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1993-2002

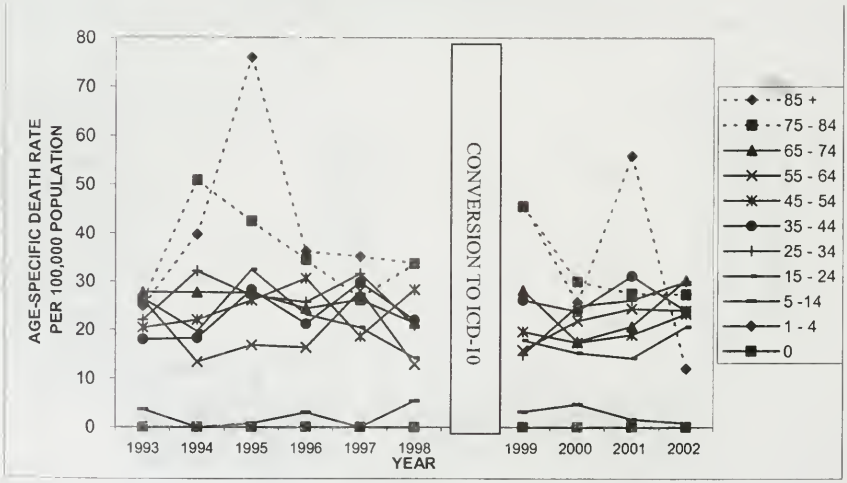
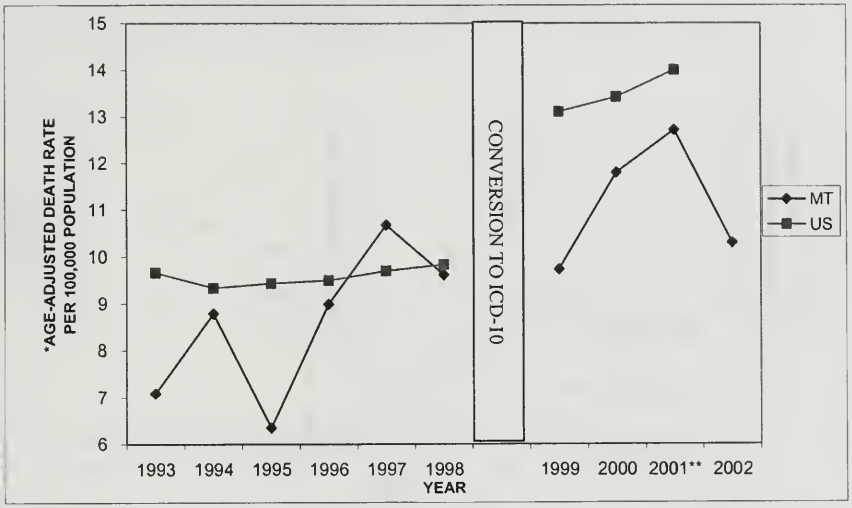


Figure 39

AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 40

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1993-2002

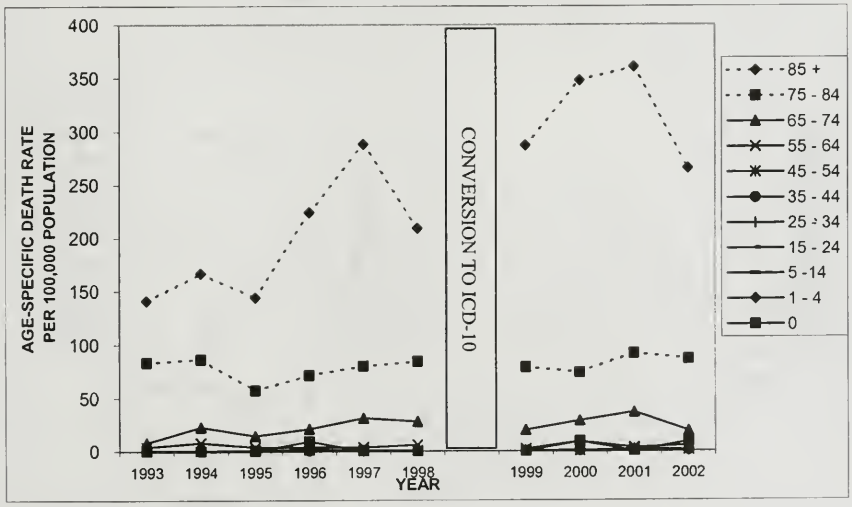
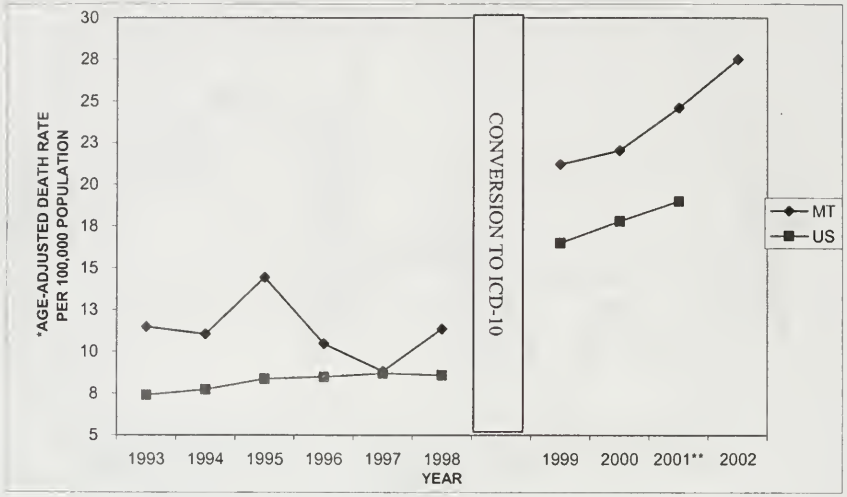


Figure 41

AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available.

Figure 42

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1993-2002

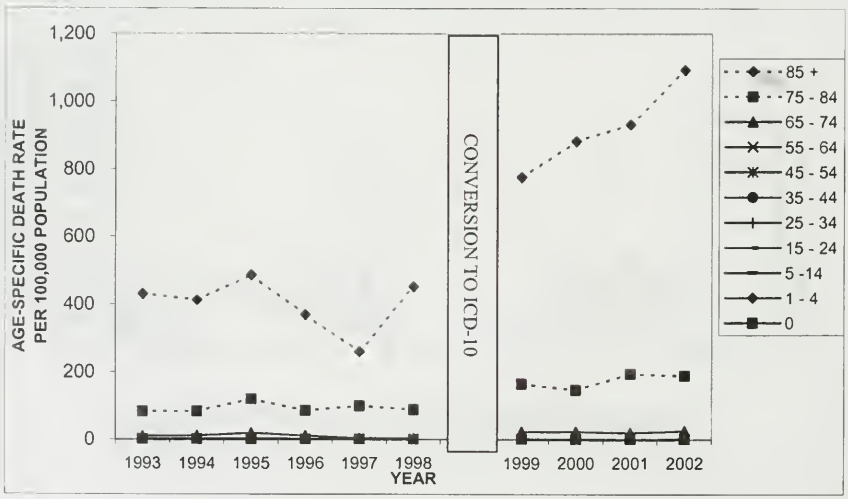
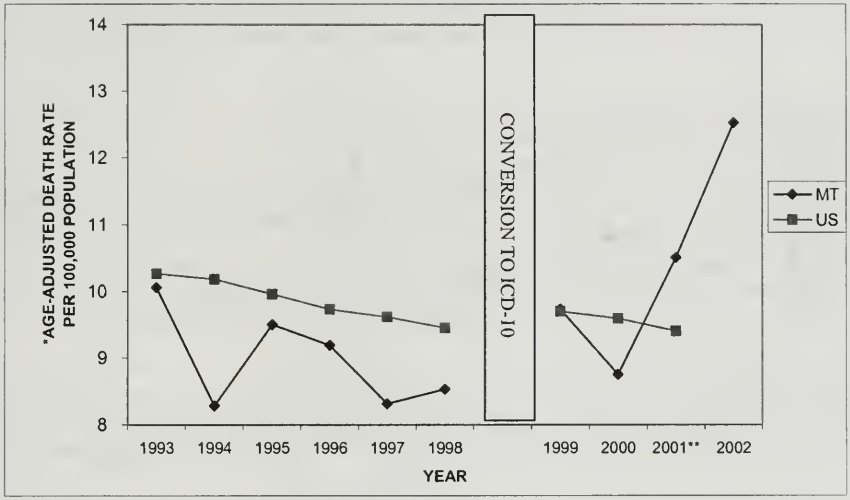


Figure 43

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 44

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1993-2002

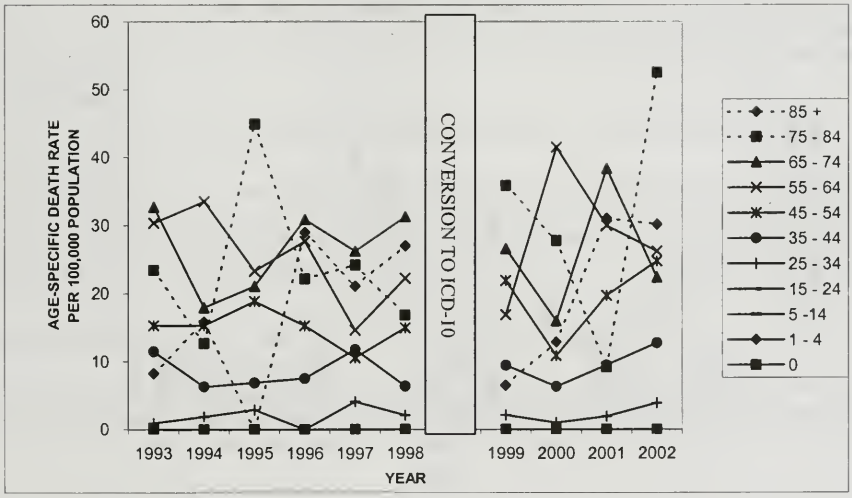
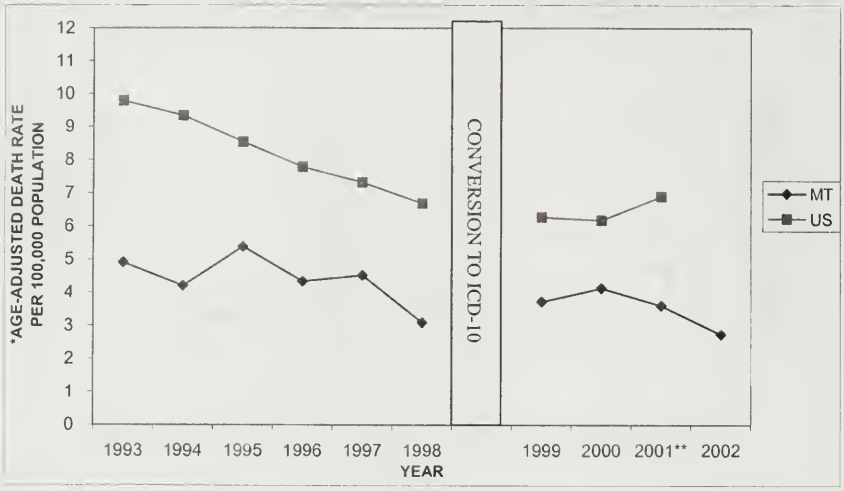


Figure 45

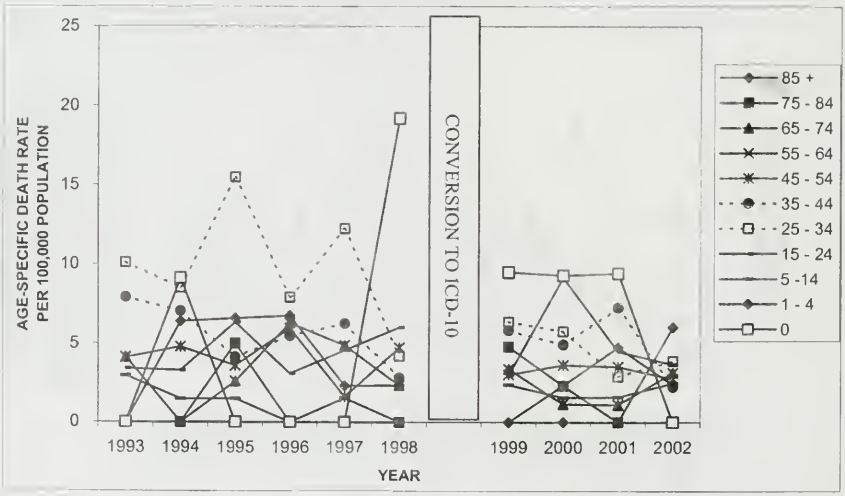
AGE-ADJUSTED DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA AND U.S. RESIDENTS, 1993-2002



* Adjusted with the direct method to the projected 2000 U.S. population.
** The U.S. rate for 2001 is preliminary and the rate for 2002 is not yet available..

Figure 46

AGE-SPECIFIC DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA RESIDENTS, 1993-2002



In all years displayed, Montana's overall (i.e. all cause) age-adjusted death rates are below those for the U.S. Montana's age-adjusted rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, nephritis, homicide and legal intervention, and chronic liver disease and cirrhosis and were lower than those for the U.S in eight or nine of the nine years for which both Montana and U.S. values are displayed. These underlying causes accounted for slightly less than half (48.2%) of all deaths of Montanans in 2002.

Montana's rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Diabetes rates for Montana were higher than those for the U.S. in three of the six years in which underlying cause of death was determined with the rules of ICD-9 and one time there after. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10. The Montana diabetes rate appears less stable since the conversion, but this may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD. Montana's rates for cerebrovascular disease were higher than those of the U.S. for four of the six years in which ICD-9 coding rules were used. Montana and U.S. rates for this cause have been nearly identical under ICD-10 coding rules.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's Alzheimer's rate was virtually the same as that of the U.S. in 1997, but higher in all other years and is increasing. Revision of ICD substantially increased Alzheimer's rate for both Montana and U.S.

Montana's rates for most unintentional traumatic causes of death; accidents (both motor vehicle and non-motor- vehicle) and suicide were higher than those for the nation in all years displayed, irrespective of the ICD coding rules. While U.S. death rates for accidents seem stable, Montana's are increasing for (for both motor vehicle and non-motor- vehicle accidents). Neither the accident nor the suicide rates appear to have been affected greatly by ICD revision.

These graphs show secular (i.e. long-term, despite instability in the short-term at times) reductions in Montana's overall death rates and rates for specific chronic diseases such as heart disease, cancer, cerebrovascular disease, and pneumonia and influenza. The rates for Alzheimer's, chronic liver disease and cirrhosis, and nephritis are on the increase, although the trends are somewhat inconsistent and, in some cases, possibly affected by the conversion of ICD coding. The rates for homicide and legal intervention also appear to be declining slightly.

The rates for C.L.R.D and suicide are apparently neither increasing nor decreasing consistently.

For both Montana and the U.S., age-adjusted death rates for nephritis and Alzheimer's increased after the introduction of ICD-10, suggesting that, to some degree, the increase reflects conversion to the new revision of ICD. The rate for pneumonia and influenza decreased after the conversion to ICD-10. These results are consistent with the comparability ratios for these causes discussed earlier. (See **Figure 1** in the Technical Overview.)

AGE, SEX, AND RACE

Cause of death is age, sex, and race-dependent. In 2002, heart disease and cancer were the first and second leading causes of death in Montana, claiming the largest numbers of persons of all races and both sexes.

However, males were slightly more likely than females to die of these causes. While slightly more of the white decedents were female (51.2%) than male (48.8%), a higher proportion of the whites who died of heart disease were males (52.9%). Of the whites who died of cancer, 50.5% were male. Males made up 72.8% of the motor vehicle accidental deaths for whites, 58.0% of the non-motor-vehicle accidental deaths, 81.9% of the suicides and 100% of the deaths due to Human Immunodeficiency Virus (HIV).

Females accounted for more than three-fifths (61.7)% of the deaths among white residents due to cerebrovascular disease; the female proportions among whites are 54.0% for deaths due to CLRD, 70.8% for Alzheimer's and 53.5% for pneumonia and influenza.

The leading causes of death among Native Americans were cancer (19.6%), accidents (17.6%) and then heart disease (15.7%). Males accounted for 56.1% of the deaths from all causes among Native Americans. Deaths of males accounted for 64.7% of the heart disease deaths, 47.1 % of the cancer deaths, 57.7% of the motor-vehicle accidental deaths, and 62.5% of the non-motor-vehicle accidental deaths for Native Americans.

The proportions of female deaths among Native Americans for cerebrovascular disease deaths, CLRD, Alzheimer's, and pneumonia and influenza were 81.8, 55.0, 80.0, and 44.4, respectively.

For whites of both sexes, accidents were the fifth leading cause of death but ranked second for Native Americans. Suicide was the ninth leading cause of death for whites but ranked seventh for Native Americans.

Females of all races who died of heart disease tended to be older than males, although this disparity tended to diminish after age 49. After 55 years of age, the proportion that died from heart disease was essentially the same as that for men and women. Persons less than 50 years old who died of cancer were most often women; those older than 50 were most often men. Most cancer deaths occurred after the age of 55 for both sexes.

The frequency of Montana resident deaths by sex and age is shown in **Table D-1** for 358 selected causes of death. The frequency of death by sex and race is shown in **Table D-2** for 113 selected causes of death. These causes are used by National Center for Health Statistics (NCHS) for ranking causes of death. Those causes preceded by a pound sign (#) are used for ranking causes for decedents of all ages. **Figure 47** shows, graphically, the percent distribution for over three-quarters (77.0%) of these deaths by cause and race categories for males. **Figure 48** shows the distribution among these underlying causes of death for females.

As a proportion of all deaths for the year, circulatory system diseases (which include the first and third "rankable" causes of death—heart disease and cerebrovascular disease—as well as atherosclerosis) accounted for the greatest percentage of deaths of all causes shown for the white population (33.7% of white males and 33.3% of white female decedents). Only 21.8% of Native American males and 18.4% of female decedents died of diseases of the circulatory system. Almost 24% of female Native Americans died from cancer (ranked number one) compared to 16.5% of the Native American males (ranked number three).

Homicide, suicide, chronic liver disease and cirrhosis, and conditions originating in the perinatal period did not constitute large percentages of deaths in any of these groups, but the distribution among races and sexes is of interest. The proportion of deaths from homicides for Native American males was 2.9 %, roughly 14 times that for white males (0.2%). Predominantly, those who committed suicide were males--140 white male deaths and eight Native American males, compared to 31 white and three Native American females.

About six-tenths of one percent of white males and 0.5% of white female decedents died of chronic liver disease and cirrhosis. These proportions were much larger for Native American males (1.23 %) and females

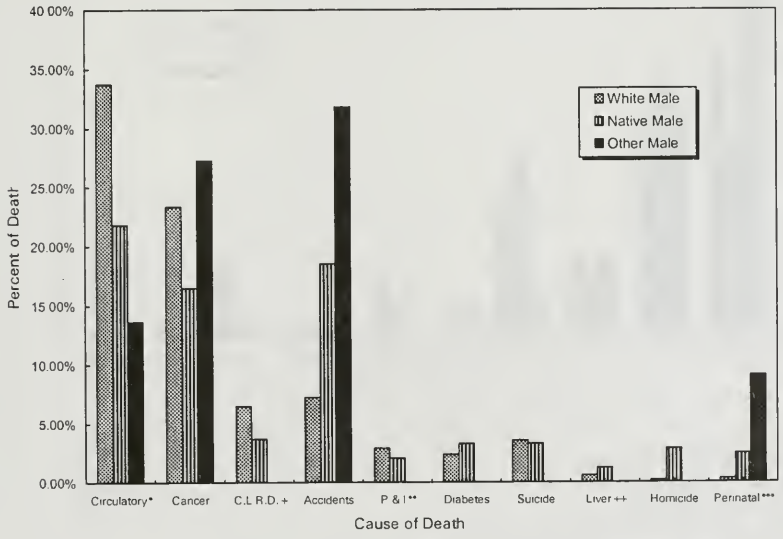
(2.1%). Three percent of Native American male decedents and 0.5% of Native American female decedents died of conditions originating in the perinatal period. Corresponding proportions for white decedents were 0.3% and 0.2% for males and females, respectively. Twenty of the 29 deaths due to conditions originating in the perinatal period were males.

Those who died of heart disease were most likely men older than age 35. After 35, the deaths due to heart disease were predominantly men until after 55 years of age; then the women's proportion was roughly equal to that of men. Victims of accidental death in 2002 were most likely to be men in their late teens to early twenties or in their early forties. The Montana resident committing suicide was likely to be a man, nearly 18% were males younger than 25 years old but half (52%) were between 25 and 54 years old; in all age groups, firearms were the most common method. Montana resident homicide victims were most likely to be males (14 males compared to 9 females). Nearly 39% of the homicides (of both sexes) involved use of a firearm; four of the nine female homicides were committed with a firearm (44%).

Table D-1 also shows the frequency of accidental deaths of Montanans by age at death and type of accident. Motor vehicle accidents accounted for the majority of accidental deaths for those from 1 to 64 years of age (84%).

Figure 47

PERCENT DISTRIBUTION OF DEATHS BY SELECTED CAUSE AND RACE
MALE MONTANA RESIDENTS, 2002



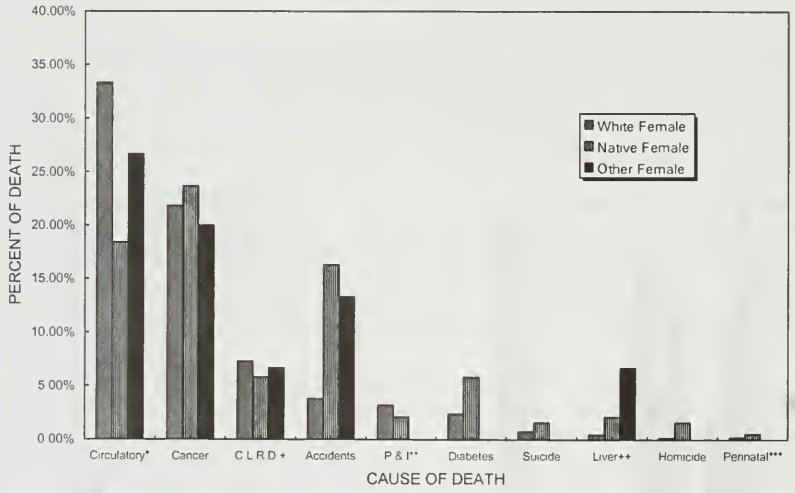
* Diseases of the Circulatory system
\+ Chronic Lower Respiratory Disease (C.L.R.D.)
** Pneumonia and Influenza
\++ Chronic Liver Disease and Cirrhosis

*** Certain Conditions Originating in the Perinatal Period

Figure 49 displays leading causes of death by age group for Montana residents. In 2002, sudden infant death syndrome, certain conditions originating in the perinatal period, and congenital anomalies, accounted for 76.5% of the infant deaths. Deaths due to conditions originating in the perinatal period —including maternal factors and complications of labor and delivery, birth trauma, infections, and respiratory, cardiovascular, and digestive system disorders specific to this period— were the leading cause of death in the "under one year" age category—(35.8%), followed by congenital anomalies—including malformations of the nervous system, eye, ear, face, neck, and circulatory, respiratory, and digestive systems—(22.2%). **Table D-7** displays the frequency of infant death by race, age in days, and 130 selected causes of death. Those causes preceded by a pound sign (#) are used for ranking causes for infants only. Only 15 Montana decedents were between the ages of one and four years in 2002. Accidents (33.3%), congenital anomalies (13.3%), heart disease (13.3%), cancer (6.7%)and homicide (6.7%) were the leading cause of death for these decedents.

Figure 48

PERCENT DISTRIBUTION OF DEATHS BY SELECTED CAUSE AND RACE FEMALE MONTANA RESIDENTS, 2001



* Diseases of the Circulatory system
\+ Chronic Lower Respiratory Disease (C.L.R.D.)
** Pneumonia and Influenza
++ Chronic Liver Disease and Cirrhosis
*** Certain Conditions Originating in the Perinatal Period

Accidents were more likely to cause the deaths of the young than the old. They accounted for 16% of the deaths of those 14 years of age or younger, 58.3% of the deaths of those between the ages of 15 and 24, and 43.8% of those between the ages of 25 and 34 years. By contrast, accidents accounted for 6.2% of the deaths in the entire population. Suicide was the cause of death for 17.3% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.1% of decedents of all ages. Of the suicide victims, 81.3% were males. Males preferred to use firearms (68.2%) while females preferred poison (44%) followed by firearms (38%).

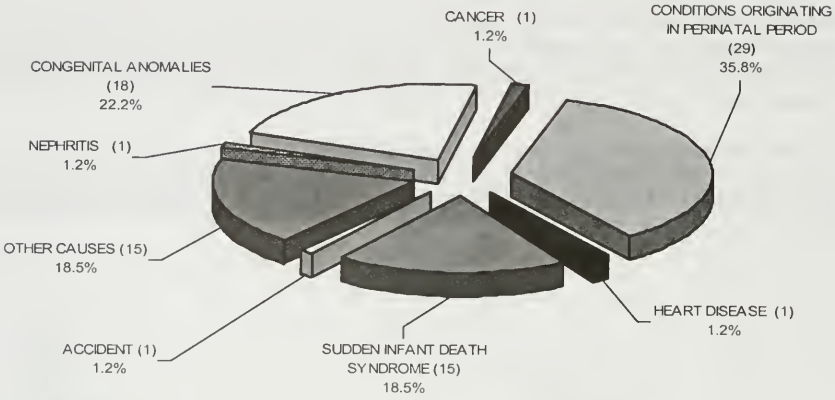
For decedents more than 34 years of age, chronic diseases—particularly heart disease and cancer—increased in influence. Cancer, followed by heart disease, was the leading cause of death for all of the age categories between 45 and 74 years. However, for the age categories 75 and older, heart disease was the leading cause, with cancer second.

For the all-age category, heart disease (22.8 %) was the leading cause of death, followed closely by cancer (22.4%). Cerebrovascular disease (7.5 %), C.L.R.D. (6.8%), and accidents (6.2%) were a distant third, fourth, and fifth, respectively. Frequencies and crude rates for the ten leading causes of death are shown for Montana and each of its counties in **Table S-6**.

Figure 49

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

UNDER 1 YEAR OF AGE, TOTAL (81)



1 - 4 YEARS OF AGE, TOTAL (15)

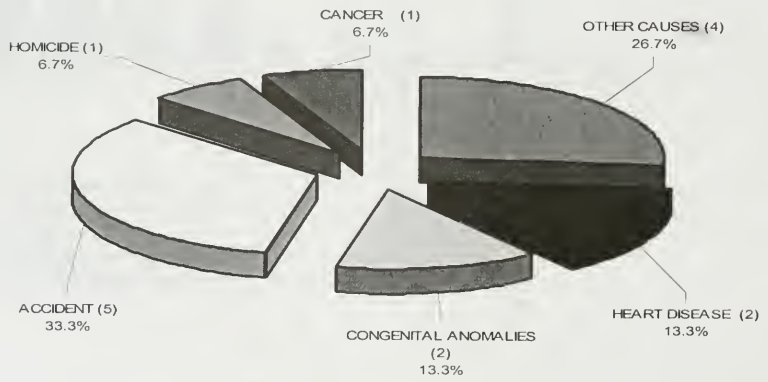
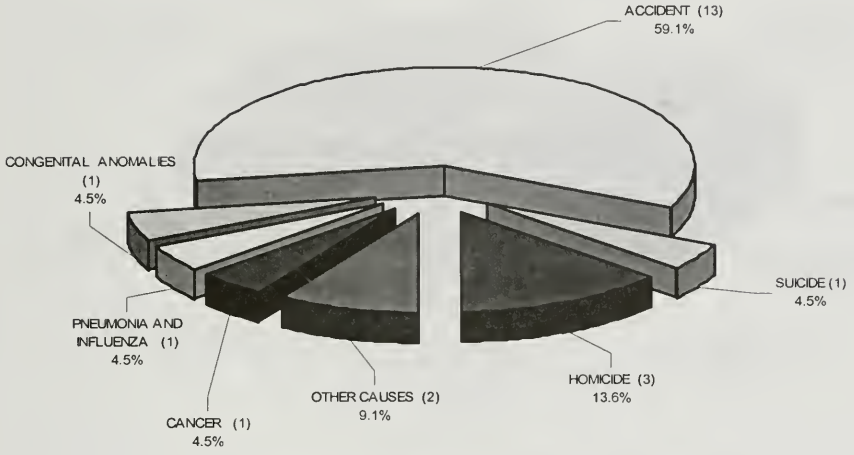


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

5 - 14 YEARS OF AGE, TOTAL (22)



15 - 24 YEARS OF AGE, TOTAL (139)

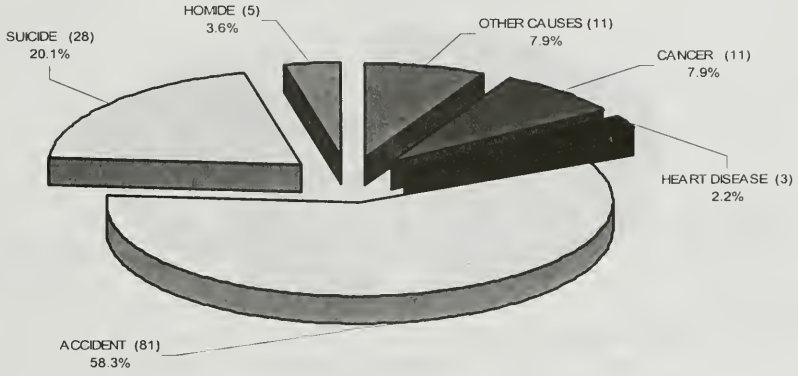
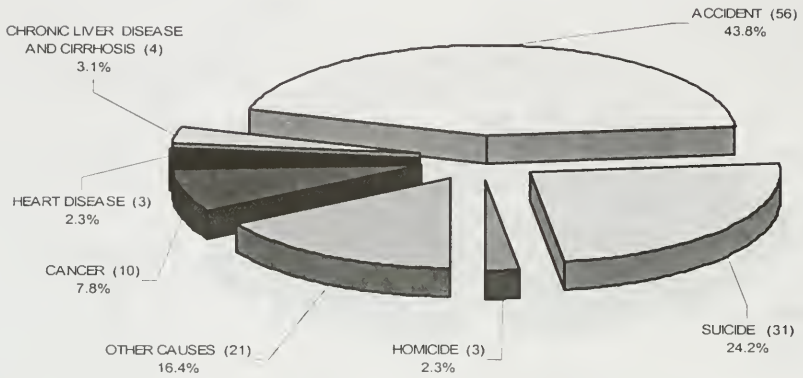


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

25 - 34 YEARS OF AGE, TOTAL (128)



35 - 44 YEARS OF AGE, TOTAL (260)

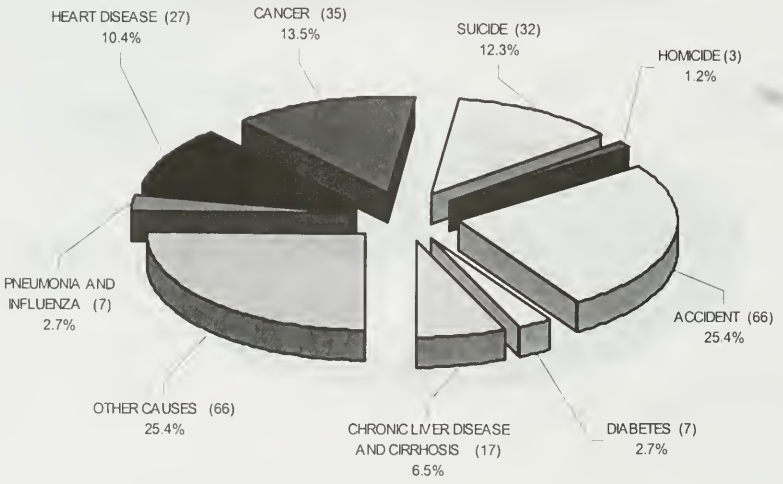
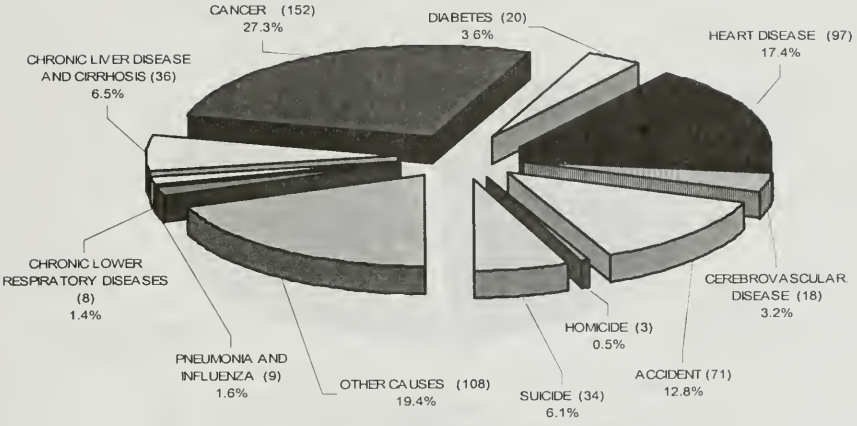


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

45 - 54 YEARS OF AGE, TOTAL (556)



55 - 64 YEARS OF AGE,TOTAL (863)

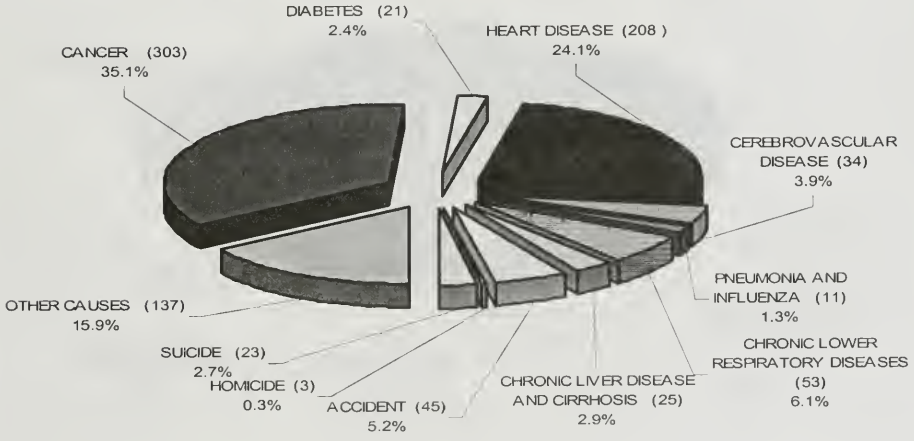
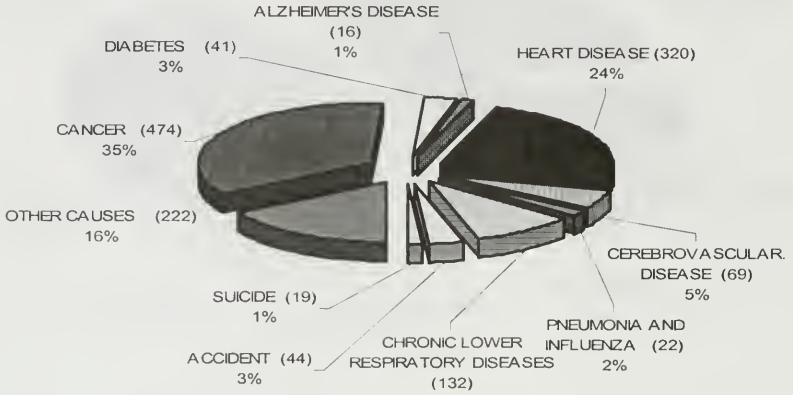


Figure 49 (Continued)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

65 - 74 YEARS OF AGE, TOTAL (1,359)



75 - 84 YEARS OF AGE, TOTAL (2,454)

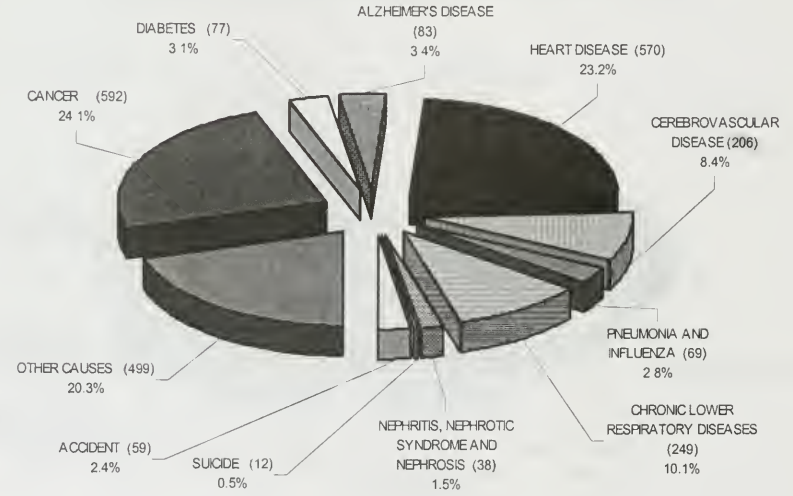
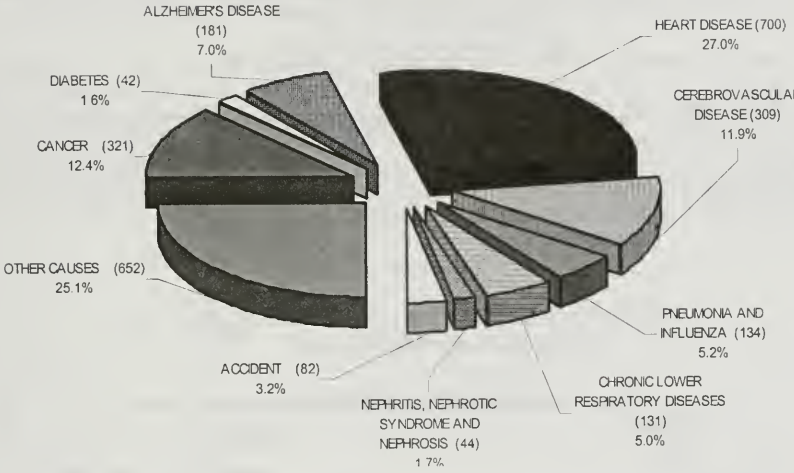

ALZHEIMER'S DISEASE (83) 3.4%
DIABETES (77) 3.1%
HEART DISEASE (570) 23.2%
CANCER (592) 24.1%
CEREBROVASCULAR DISEASE (206) 8.4%
PNEUMONIA AND INFLUENZA (69) 2.8%
OTHER CAUSES (499) 20.3%
CHRONIC LOWER RESPIRATORY DISEASES (249) 10.1%
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (38) 1.5%
ACCIDENT (59) 2.4%
SUICIDE (12) 0.5%

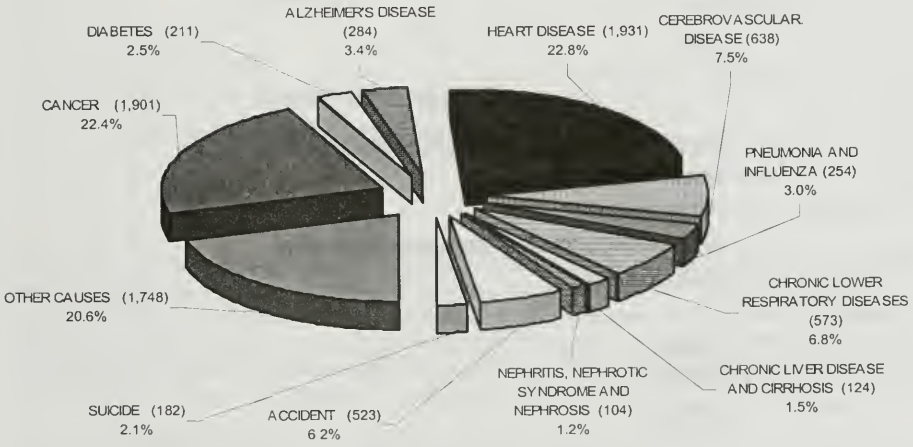
Figure 49 (Concluded)

LEADING CAUSES OF DEATH BY AGE
MONTANA RESIDENTS, 2002

85 YEARS AND OLDER, TOTAL (2,596)


ALZHEIMER'S DISEASE (181) 7.0%
HEART DISEASE (700) 27.0%
DIABETES (42) 1 6%
CEREBROVASCULAR DISEASE (309) 11.9%
CANCER (321) 12.4%
OTHER CAUSES (652) 25.1%
PNEUMONIA AND INFLUENZA (134) 5.2%
ACCIDENT (82) 3.2%
CHRONIC LOWER RESPIRATORY DISEASES (131) 5.0%
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (44) 1 7%

ALL AGES, TOTAL (8,473)


ALZHEIMER'S DISEASE (284) 3.4%
DIABETES (211) 2.5%
HEART DISEASE (1,931) 22.8%
CEREBROVASCULAR DISEASE (638) 7.5%
CANCER (1,901) 22.4%
PNEUMONIA AND INFLUENZA (254) 3.0%
OTHER CAUSES (1,748) 20.6%
CHRONIC LOWER RESPIRATORY DISEASES (573) 6.8%
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS (104) 1.2%
CHRONIC LIVER DISEASE AND CIRRHOSIS (124) 1.5%
SUICIDE (182) 2.1%
ACCIDENT (523) 6 2%

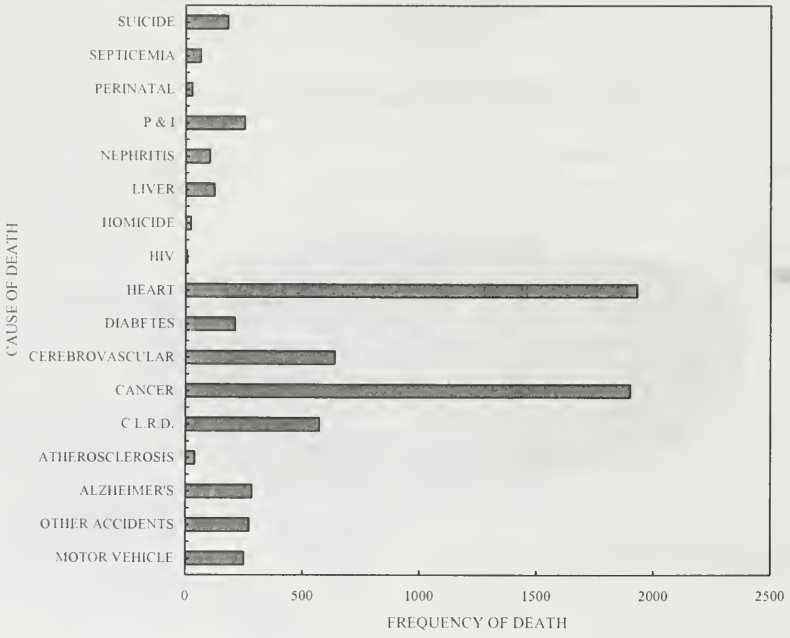
YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the "premature years of potential life lost" calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-7**. The ten leading causes are: heart disease (22.8% of all resident deaths), cancer (22.4%), cerebrovascular disease (7.5%), chronic lower respiratory diseases (CLRD) (6.8%), accidents (6.2%), Alzheimer's disease (3.4%), pneumonia and influenza (3.0%), diabetes (2.5%), suicide (2.1%), and chronic liver disease and cirrhosis (1.5%). **Figure 50** represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2002 are reflected in this figure.

Figure 50

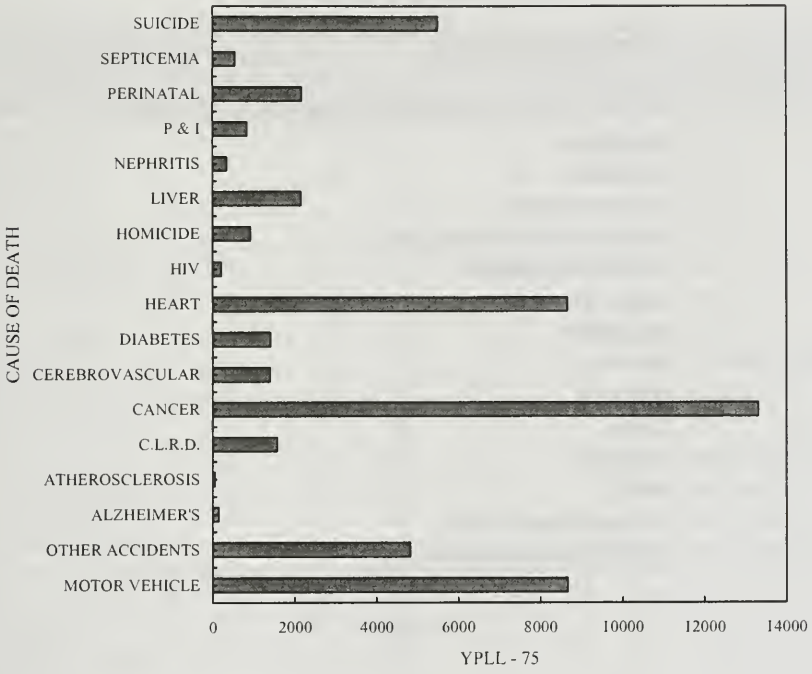
FREQUENCY OF DEATH BY CAUSE OF DEATH
MONTANA RESIDENTS, 2002



An alternative perspective, YPLL-75, is shown in **Figure 51**. Only decedents younger than 75 at the time of death are reflected in this figure Accidents (both motor and non-motor-vehicle), homicide, and suicide comprise only 8.6% of the deaths in 2002 but accounted for 30.5% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the exaggerated cost of the typical death from traumatic causes.

Figure 51

TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2002



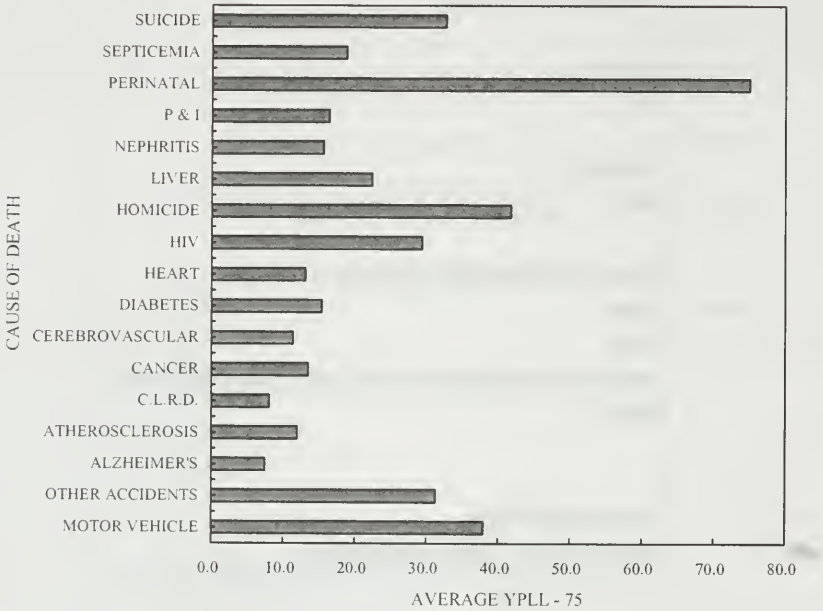
In 2002, the total loss of life before age 75 was 65,180 years. The loss to society resulting from cancer was 20.4% of all years lost. Accidental deaths of any type accounted for 20.7% of total YPLL, with motor vehicle accidents accounting for 13.3% and non-motor-vehicle accidents accounting for 7.4%. Heart disease also caused large losses to society, accounting for 8,660 years lost (13.4%). Other deaths from traumatic injury, suicide and homicide, accounted for 8.4% and 1.4%, respectively. All traumatic deaths together (accidents, homicide, and suicide) accounted for 30.5% of all YPLL-75.

Regardless of which of these two perspectives is used, heart disease and cancer cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of

age. The YPLL-75 perspective, however, reorders the ranking of the leading causes of death, highlighting areas the CDC has said "provide the greatest potential for health improvement." Accidental death (both motor vehicle and non-motor-vehicle) was only the fifth leading cause of death using frequency of death, but ranks second (for motor-vehicle accidents) and fifth for non-motor-vehicle accidents in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked ninth by frequency, but became the fourth leading cause when measured by total YPLL-75.

Figure 52

AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2001



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 52.**

The category "conditions originating in the perinatal period" showed the greatest average loss to an individual (75 years lost). Traumatic causes of death--including motor vehicle accidents (38 years), other accidents (31.3), homicide (41.8), and suicide (32.7)—occupied four of the next five highest ranks.

Figure 53 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for

these same 17 causes of death. The left side of the table shows YPLL-75 and related measures--i.e., measures referring to the number of decedents in 2002 who died before the age of 75. The right side of the table shows statistics referring to all decedents, regardless of age. Causes of death are shown in descending order of average years of life lost before age 75.

Figure 53

AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 2002

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL – 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
All Cause	19.0	3,423	65,180	0	73.3	78	84	106	18.6	8,473
Certain Conditions Originating in the Perinatal Period	75.0	29	2,175	0	0.0	0	0	0	0.0	29
Assault (homicide)	41.8	22	919	2	35.7	32	19	90	22.2	23
Motor Vehicle Accidents	38.0	228	8,665	1	41.0	37	18	88	21.2	250
Intentional Self-Harm (Suicide)	32.7	168	5,500	11	45.2	44	50	94	18.6	182
Non-Motor-Vehicle Accidents	31.3	154	4,820	0	62.6	68	90	104	25.9	273
HIV Infection	29.4	7	206	32	49.8	45	47	79	15.9	8
Chronic Liver Disease and Cirrhosis	22.4	96	2,152	30	58.8	56	48	91	14.9	124
Septicemia	18.8	29	545	1	72.5	78	87	102	18.3	66
Pneumonia & Influenza	16.4	51	838	10	81.5	85	83	104	14.1	254
Nephritis, Nephrotic Syndrome, and Nephrosis	15.6	22	343	0	79.9	84	84	102	14.2	104
Diabetes	15.4	92	1,415	22	73.0	76	84	101	14.5	211
Cancer	13.5	988	13,314	0	71.7	74	83	101	13.7	1,901
Heart Disease	13.1	661	8,660	0	77.5	80	84	104	13.7	1931
Atherosclerosis	12.0	5	60	58	83.2	85	85	96	9.6	40
Cerebrovascular Disease	11.4	123	1,402	29	81.8	84	89	103	11.0	638
Chronic Lower Respiratory Diseases	8.1	193	1,571	45	77.4	78	84	98	9.4	573
Alzheimer's	7.5	20	150	50	85.7	87	85	101	7.6	284
Other Causes	23.3	535	12,445	0	74.5	81	86	106	21.2	1,582

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

In general, average YPLL-75 was high when median age was low. For instance, Alzheimer's had the lowest

associated average YPLL-75, 7.5 years per decedent younger than 75, and the highest associated median age, 87 years. There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer or heart disease, relatively few residents died of conditions arising in the perinatal period, but all of these decedents contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the calculations. More than half of the decedents who died from septicemia, pneumonia and influenza, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer's are excluded from YPLL-75 analysis. While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

CANCER INCIDENCE AND PREVALENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for diagnosis year 2002, reported as of October 2003 to the Montana Central Tumor Registry. Mortality data are for the entire calendar year. Incidence reporting for diagnosis year 2002 was approximately 90% completed on this date with 4,052 new cancer diagnoses having been reported for 2002. The expected number of Montana cancer cases for 2002 is 4,550. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from SEER race-sex-site-specific age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed in 2002. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (19.5% of all cancer diagnoses), female breast (15.0%), the lung and bronchus (11.9%), the colon (7.0%), melanoma (4.6%), the urinary bladder (4.5%), Hodgkin's and Non-Hodgkin's Lymphoma (4.0%), and the rectum and rectosigmoid (2.8%). Invasive cervical cancer accounted for less than 1% of cancer diagnoses (4.8% for both in-situ and malignant) for Montanans for 2002. However, 166 of the 195 cervical cancers were in-situ--that is, non-invasive. Testicular cancer also accounted for less than 1% of cancer diagnoses—only 26 cases were reported in 2002.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 2002, Montanans diagnosed with cancer of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of 2002 cancer diagnoses by site, sex, and county of residence is shown in **Table C-3** for the 10 most frequently diagnosed primary sites.

Figures 54, 56, 58, and 60 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not updated as the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 55, 57, 59, and 61 show the five-year relative survival rates for these same cancers, comparing Montana and the United States. The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 790 cases reported for 2002 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2002, 110 Montana residents died of prostate cancer (**Tables D-1, D-2, D-5, and D-6),** making it the fourth leading cause of cancer deaths.

Figure 54 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1993 through 2002. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. In 2002, 63% of prostate cancers were diagnosed at a local stage. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 7% in 1993 to 2% in 2002. Cases reported as in-situ stage increased in 2002 to 7% because Prostatic Intraepithelial Neoplasia (PIN) became categorized as an in-situ cancer and was reportable. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. About 90% of cancers of the prostate are characterized as adenocarcinomas.

Figure 54

DIAGNOSIS OF PROSTATE CANCER
MONTANA RESIDENTS, 1993-2002

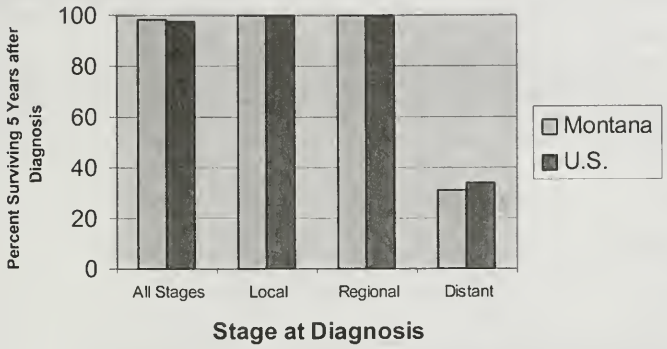
Year of Diagnosis	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Number of Cases Diagnosed	804	645	737	683	667	722	754	783	837	790
Percent Stage at Diagnosis*										
In-Situ	0%	0%	0%	0%	1%	0%	0%	0%	5%	7%
Local	59%	64%	60%	57%	59%	65%	63%	67%	66%	63%
Regional	19%	15%	13%	16%	13%	14%	15%	12%	10%	10%
Distant	7%	6%	5%	5%	6%	5%	3%	4%	4%	2%
Unknown	15%	14%	22%	21%	22%	17%	18%	16%	16%	17%

* Percents may not add to 100% because of rounding.

Figure 55 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 31% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the third leading cause of cancer deaths among Montanans in 2002.

Figure 55

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR PROSTATE CANCER MONTANA AND THE UNITED STATES, 1993-2002



Prostate cancer is generally treated with surgery or radiation. About 50% of patient's diagnosed with prostate cancer have surgery (prostatectomy) within four months after diagnosis. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 35% of prostate cancer patients are treated with radiation. About 25% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women for 2003, with 609 cases reported as diagnosed. It was the underlying cause of death for 150 female Montanans and two males, making breast cancer the third leading cause of cancer deaths in 2002 (**Tables D-1, D-2, D-5, and D-6**). Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2002, 20% were diagnosed at an in-situ stage, 52% of breast cancers at a local stage, 21% at a regional stage, and 2% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 56**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at a local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. Breast self-examination (BSE) may detect about 60% of breast cancers. Patients who perform routine BSE find smaller lesions and it is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade.

Figure 56

DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1993-2002

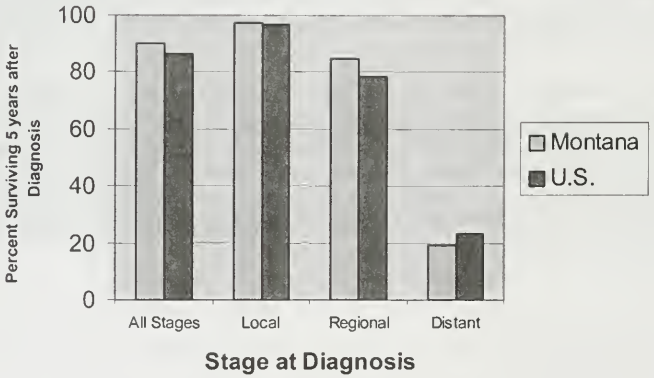
Year of Diagnosis		1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Number of Cases Diagnosed	Males	5	4	1	1	6	5	5	2	8	0
	Females	670	633	692	759	736	773	824	807	813	609
Percent Stage at Diagnosis* In-Situ		7%	10%	12%	11%	13%	14%	17%	18%	19%	20%
Local		59%	56%	55%	54%	50%	53%	52%	54%	49%	52%
Regional		25%	24%	21%	24%	28%	26%	22%	22%	24%	21%
Distant		3%	6%	4%	4%	3%	2%	3%	2%	3%	2%
Unknown		5%	5%	7%	7%	5%	4%	6%	4%	5%	5%

* Percents may not add to 100% because of rounding

Figure 57 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 97.4% of women survived 5 years if diagnosed at a local stage and about 85% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the rate of survival was 19%. Breast cancer is treated in a variety of ways. Almost 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation. About 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 10% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 57

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1993-2002



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer) for 2002; 484 new cases have been reported for 2002. It was the underlying cause of death for 527 Montanans (**Tables D-1, D-2, D-5, and D-6**), making it the leading cause of cancer deaths. The incidence of lung cancer increased in males by about 10% from 1993 to 2002; the percentage increase in women was more than twice as large (30%).

The number of cases diagnosed and the stage at diagnosis for lung cancer diagnoses of Montanans are shown in **Figure 58**. In 2002, 47% of lung cancers were diagnosed at a distant stage and only 15% at a local stage. The stage was unknown or unstageable for about 6% of lung cases in 2002. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage.

Figure 58

DIAGNOSIS OF LUNG CANCER
MONTANA RESIDENTS, 1993-2002

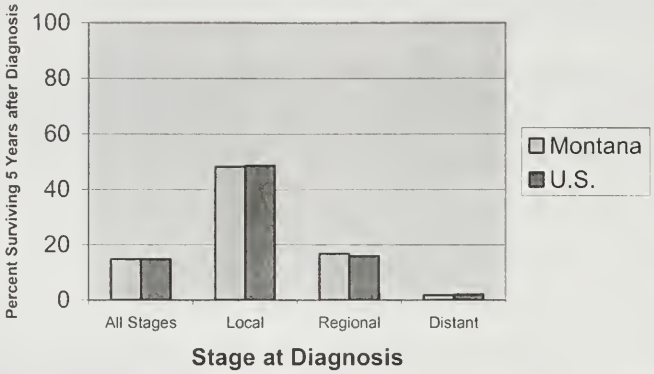
Year of Diagnosis		1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Number of Cases Diagnosed	Males	307	318	365	378	338	410	338	378	353	270
	Females	212	227	257	255	279	318	261	304	322	214
Percent Stage at Diagnosis*											
In-Situ		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Local		22%	22%	17%	19%	17%	17%	16%	22%	15%	15%
Regional		25%	24%	21%	21%	25%	27%	27%	26%	28%	32%
Distant		42%	37%	36%	38%	39%	39%	39%	37%	37%	47%
Unknown		11%	16%	25%	22%	19%	17%	17%	16%	20%	6%

* Percents may not add to 100% because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 59** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Forty-eight percent of patients diagnosed at a localized stage survive five years; however, only 17% survive five years if diagnosed at a regional stage and less than 2% if diagnosed at a distant stage. Treatment methods for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 23% of patients with lung cancer are treated with surgery and about 41% are treated with radiation. Chemotherapy is given to about 38% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. Twenty-four percent of lung cancers are squamous cell carcinomas, derived from stratified squamous epithelium. About 25% are adenocarcinomas and 20% are carcinoma, NOS.

Figure 59

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1993-2002



COLORECTAL CANCER

Colorectal cancer was the fourth most common malignancy in Montanans for 2002; there were 398 cases diagnosed and 184 deaths caused by colorectal cancer in 2002 **(Tables D-1, D-2, D-5, and D-6)** making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as "colorectal" cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 60** shows the frequency and stage at diagnosis for cancers of the colon and rectum. In 2002, 38% were diagnosed at a local stage, 37% at a regional stage, and 15% at a distant stage.

Figure 60

DIAGNOSIS OF COLORECTAL CANCER
MONTANA RESIDENTS, 1993-2002

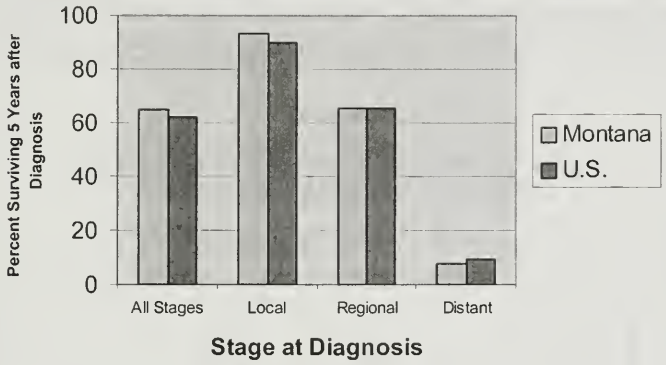
Year of Diagnosis		1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Number of Cases Diagnosed	Males	225	223	234	259	270	296	291	253	286	215
	Females	202	223	229	233	236	245	237	235	240	183
Percent Stage at Diagnosis*											
In-Situ		2%	2%	2%	3%	4%	4%	2%	3%	5%	3%
Local		34%	39%	32%	34%	36%	34%	33%	34%	34%	38%
Regional		40%	35%	39%	38%	37%	39%	42%	42%	42%	37%
Distant		16%	15%	14%	13%	16%	16%	14%	14%	11%	15%
Unknown		8%	9%	12%	12%	8%	8%	9%	7%	8%	6%

* Percents may not add to 100% because of rounding.

Figure 61 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is over 93%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 66%. Colorectal cancer is mostly treated with surgery or chemotherapy or both. Almost 90% of patients with colorectal cancer are treated with surgery and about 33% are treated with chemotherapy. About 11% are treated with radiation. About 70% of colorectal carcinomas are adenocarcinoma and 11% are mucinous adenocarcinoma (an adenocarcinoma which secretes mucin).

Figure 61

FIVE-YEAR RELATIVE SURVIVAL BY STAGE AT DIAGNOSIS FOR COLORECTAL CANCER MONTANA AND THE UNITED STATES, 1993-2002



References:

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INDUCED ABORTIONS

Induced terminations of pregnancy (abortions) have been reported to the department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 59** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1975.

Beginning in 1975, the first full year of reporting, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend reached another near peak (295.2) in 1990. From 1990 to the present, it has trended slightly downward but varied unpredictably from year to year. The ratio was 204.1 in 2001.

Figure 62

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS
MONTANA OCCURRENCES, 1975-2002

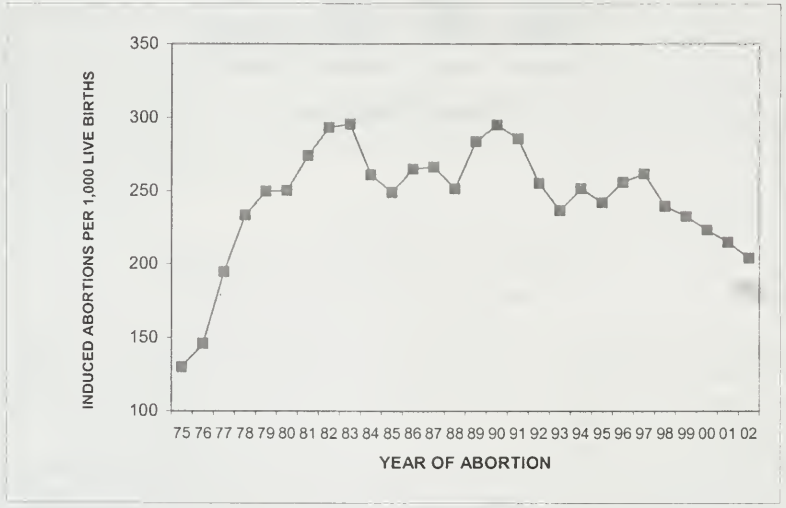


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2002.

The frequency of induced abortion, for Montana females receiving the procedure in Montana in 2001 is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

There were no deaths, attributable to the procedure of abortion, of women receiving abortions in Montana in 2002. Such has been the case in Montana since 1974.

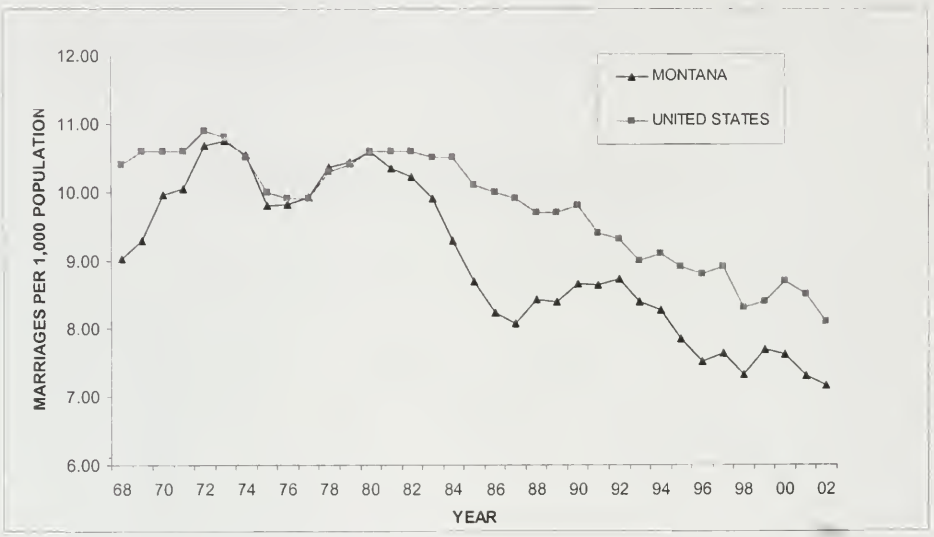
Fifteen of the 2,249 abortion procedures performed in Montana in 2002 resulted in reported complications--one with cervical lacerations, one with uterine perforation, retained products, and suspected uterine septicemia, and the remaining thirteen with hemorrhage.

MARRIAGE

There were 6,514 marriages solemnized in Montana in 2002, with the rate per 1,000 population unchanged from the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 60**).

Figure 63

MARRIAGE RATES
MONTANA AND THE UNITED STATES, 1968-2002*



* Data for the United States in 2002 are preliminary.

Table M-1 shows the frequency of marriage by month in the year 2002. The summer and fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. More than three-fifths of the brides (62.6%) and grooms (63.9%) married for the first time in 2002.

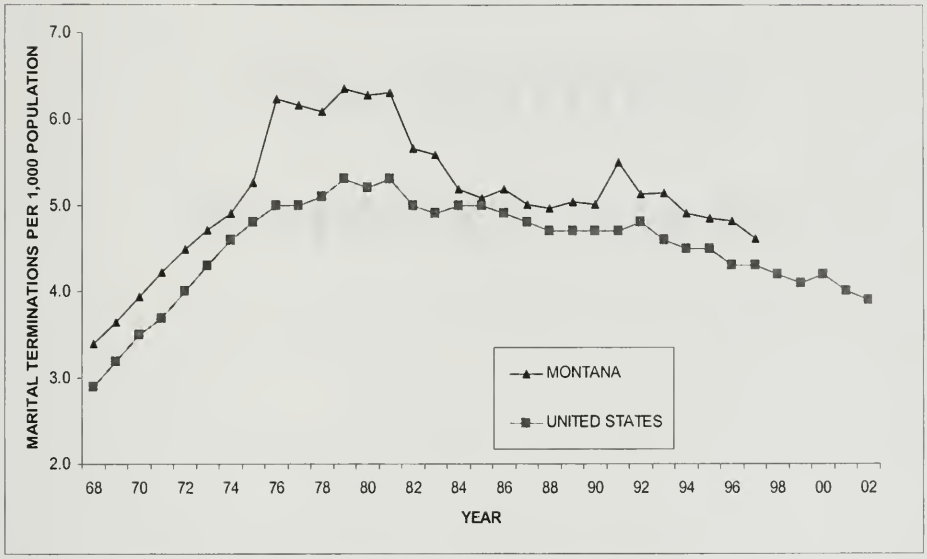
Just over half (52.7 %) of all marriages performed in Montana in 2001 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms for the previous ten years are shown in **Table M-4**. The median age for first-time brides in 2002 was 27 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2002 are not comparable to those collected by the Office of Vital Statistics (OVS) and rates from 1998 forward are not shown in **Figure 61**. However, it can be seen that the trend in marital termination for Montana was roughly parallel to the national trend from 1967 through 1997, as **Figure 61** shows, although the Montana rates were consistently higher up to the time JCMS assumed data collection.

Figure 64

MARITAL TERMINATION RATES
MONTANA AND THE UNITED STATES, 1968-2002*



* Data for the United States in 2002 are preliminary.

Montana's rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. As stated above, rates calculated for subsequent years are not comparable.

2002

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	0.0
DATA ARE NOT AVAILABLE	---

LIST OF REFERENCE TABLES

TABLE	CONTENTS	PAGE
S-1	Frequency and Rate or Ratio of Death, Live Birth, and Fetal, Infant and Maternal Death by Year - Montana, 1910-2002.	02-1
S-2	Frequency of Death, Live Birth, and Fetal, Infant, and Maternal Death by County of Occurrence and County of Residence - Montana, 2002	02-2
S-3	Frequency of Death, Live Birth, and Fetal Death by Race and County of Residence - Montana, 2002 .	02-3
S-4	Frequency of Fetal, Infant, and Child Death by Race and County of Residence - Montana, 2002. . .	02-4
S-5	Frequency and Rate of Marriage and Marital Termination by Year - Montana Occurrences, 1944-2002	02-5
S-6	Frequency of Licenses Issued, Marriages Solemnized, Marital Dissolutions, and Marriages Invalidated by County of Occurrence - Montana, 2002.	02-6
S-7	Selected Vital Statistics - Frequencies and Rates or Ratios by County - Montana, 2002	02-7
S-8	Frequency and Percent Distribution of Births, Fetal Deaths, and Induced Abortions by Mothers' or Patients' Ages and County of Residence, 2002 .	02-15
P-1	State Population by County, 2002, 2000, and 1990.	02-24
B-1	Frequency and Percent Distribution of Live Births by Infant's Sex, Legitimacy, Plurality, and Parity - Montana Residents, 1998-2002	02-25
B-2	Frequency and Percent Distribution of Live Births by Type of Facility or Attendant and by County of Occurrence - Montana, 2002.	02-26

TABLE	CONTENTS	PAGE
B-3	Frequency and Percent Distribution of Live Births by Birthweight and by County of Residence - Montana, 2002	02-27
B-4	Frequency and Percent Distribution of Live Births by Completed Weeks of Gestation and by County of Residence - Montana, 2002	02-28
B-5	Frequency and Percent Distribution of Live Births to Montana Residents Delivering in Montana by Number of Children Born Alive and by Years of Education of Mother - Montana, 2002	02-29
B-6	Frequency of Live Births by Month Pre-Natal Healthcare Began and by County of Residence . . .	02-30
D-1	Frequency of Death by Sex, Age, and up to 358 Selected Underlying Causes - Montana Residents, 2002	02-31
D-2	Frequency of Death by Sex, Race, and up to 113 Selected Underlying Causes - Montana Residents, 2002	02-55
D-3	Frequency and Rate of Death from Selected Underlying Causes by Year - Montana, 1910-2002. .	02-57
D-4	Frequency of Death from Selected Underlying Causes by County of Residence - Montana, 2002 . .	02-59
D-5	Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death - Montana, 1954-2002	02-60
D-6	Frequency of Death from Selected Cancers by Sex of Decedent and County of Residence - Montana, 2002	02-61
D-7	Frequency of Infant Death by Race, Age, and up to 130 Selected Underlying Causes - Montana Residents, 2002	02-63
D-8	Frequency of Infant Death by Race, Age, and County of Residence - Five-Year Infant Mortality Rate by County of Residence - Montana, 2002 . . .	02-64

TABLE	CONTENTS	PAGE
D-9	Frequency and Rate of Death from Selected Communicable Diseases by Year - Montana, 1910-2002	02-65
F-1	Frequency of Fetal Death by Race, Sex, Completed Weeks of Gestation, and up to 124 Selected Underlying Causes - Montana Residents, 2002 . . .	02-67
A-1	Frequency of Induced Abortion by Number of Previous Induced Abortions and Number of Previous Pregnancies - Montana Occurrences, 2002	02-69
A-2	Frequency of Induced Abortion by Age of Patient - Montana Occurrences, 2002	02-69
A-3	Frequency of Induced Abortion by Completed Weeks of Gestation and by Primary Procedure - Montana Occurrences, 2002	02-70
A-4	Frequency of Induced Abortion by County of Residence and County of Occurrence - Montana, 2002	02-70
M-1	Frequency and Percent Distribution of Marriages by Month of Occurrence - Montana, 2002	02-71
M-2	Frequency of Marriage by Previous Marital Status and Age of Bride and by Previous Marital Status and Age of Groom - Montana Occurrences, 2002 . .	02-71
M-3	Frequency of First Marriage by Age of Bride and Age of Groom - Montana Occurrences, 2002	02-72
M-4	Median Ages of Brides and Grooms - Montana Occurrences, 1994-2002.	02-72
MT-1	Frequency of Marital Termination by Type and by Legal Grounds for Decree - Montana Occurrences, 2002.	02-73
MT-2	Frequency of Marital Termination by Age of Wife and Age of Husband - Montana Occurrences, 2002. .	02-73

TABLE	CONTENTS	PAGE
MT-3	Frequency of Marital Termination by Number of Minor Children in the Household and by Age of Wife - Montana Occurrences, 2002.	02-74
R-1	Montana Department of Public Health and Human Services Communicable Disease Program - 2002 Summary	02-75
R-2	Sexually Transmitted Diseases by County - 2002 Summary.	02-76
R-3	Other Reportable Diseases of Interest, 2002 . . .	02-77
C-1	Reported Neoplasms by Anatomical Site and Sex - Montana Residents, 2002 Diagnoses.	02-78
C-2	Most Frequently Reported Neoplasms by Site, Sex, and Age - Montana Residents, 2002 Diagnoses . . .	02-79
C-3	Most Frequently Reported Neoplasms by Site, Sex, and County of Residence - Montana Residents, 2002 Diagnoses	02-80

TABLE S-1

FREQUENCY AND RATE OR RATIO OF
DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH BY YEAR*
MONTANA, 1910-2002

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE++
1910	376,053	3,999	10 6	6,124	16 3	NA	NA	714	116 6	62	1,012 4
1915	468,067	5,072	10 8	11,132	23 8	NA	NA	816	73 3	91	817 5
1920	548,339	5,289	9 6	11,862	21 6	NA	NA	862	72 7	104	876 7
1925	542,834	5,188	9 6	10,302	19 0	343	33.3	726	70 5	83	805.7
1930	537,606	5,435	10 1	10,004	18 6	286	28 6	569	56 9	67	669 7
1935	549,077	6,291	11 5	10,029	18 3	232	23 1	602	60 0	52	518 5
1940	559,456	5,722	10 2	11,468	20 5	216	18 8	527	46 0	39	340 1
1945	504,600	5,414	10.7	10,601	21 0	184	17 4	363	34 2	17	160 4
1946	521,900	5,595	10 7	12,858	24 6	224	17 4	448	34 8	18	140 0
1947	539,200	5,760	10.7	15,086	28 0	238	15 8	484	32 1	16	106 1
1948	556,500	5,884	10 6	15,035	27 0	236	15 7	461	30 7	14	93 1
1949	573,800	5,878	10.2	15,366	26 8	231	15 0	457	29 7	14	91 1
1950	591,024	5,817	9 8	15,592	26 4	233	14 9	441	28 3	20	128 3
1951	596,000	5,964	10 0	15,929	26 7	248	15 6	425	26 7	10	62 8
1952	602,000	5,974	9 9	16,479	27 4	253	15 4	448	27 2	8	48 5
1953	616,000	6,125	9 9	16,596	26 9	232	14 0	480	28 9	3	18 1
1954	624,000	6,030	9 7	17,276	27 7	247	14 3	398	23 0	5	28 9
1955	636,000	6,115	9 6	17,454	27 4	221	12 7	433	24 8	5	28 6
1956	656,000	6,450	9 8	17,703	27 0	239	13 5	495	28 0	2	11 3
1957	667,000	6,486	9 7	18,219	27 3	224	12 3	462	25 4	5	27 4
1958	666,000	6,265	9 4	17,275	25.9	233	13 5	444	25 7	3	17 4
1959	669,000	6,570	9 8	17,646	26 4	223	12 6	431	24 4	3	17 0
1960	674,767	6,525	9 7	17,448	25 9	190	10 9	435	24 9	5	28 7
1961	682,000	6,338	9 3	17,368	25 5	194	11 2	441	25 4	2	11 5
1962	709,000	6,418	9 1	16,818	23 7	210	12 5	436	25 9	7	41 6
1963	707,000	6,609	9 3	15,934	22.5	194	12 2	383	24 0	2	12 6
1964	705,000	6,851	9 7	15,094	21 4	200	13 3	403	26 7	7	46 4
1965	706,000	6,578	9 3	13,641	19 3	177	13 0	338	24 8	2	14.7
1966	702,000	6,864	9 8	12,623	18 0	140	11.1	286	22 7	3	23 8
1967	701,000	6,549	9 3	12,087	17.2	141	11 7	290	24 0	3	24 8
1968	693,000	6,534	9 4	11,992	17 3	146	12 2	233	19 4	1	8 3
1969	694,000	6,694	9 6	11,762	16 9	132	11 2	246	20 9	1	8 5
1970	694,409	6,597	9 5	12,622	18 2	140	11 1	272	21 5	3	23 8
1971	710,000	6,860	9 7	12,347	17 4	127	10 3	267	21 6	-	-
1972	719,000	6,896	9 6	11,444	15 9	129	11 3	225	19 7	4	35.0
1973	721,000	6,870	9 5	11,392	15 8	105	9 2	222	19 5	-	-
1974	735,000	6,552	8 9	12,273	16 7	125	10 2	202	16 5	1	8 1
1975	748,000	6,539	8 7	12,070	16 1	112	9 3	187	15 5	3	24 9
1976	753,000	6,733	8 9	12,605	16 7	104	8 3	209	16 6	-	-
1977	761,000	6,397	8 4	13,304	17 5	119	8 9	183	13 8	1	7 5
1978	785,000	6,484	8 3	13,545	17 3	110	8 1	155	11 4	3	22 1
1979	786,000	6,471	8 2	14,057	17 9	116	8 3	151	10.7	4	28 5
1980	786,690	6,664	8 5	14,208	18 1	104	7 3	176	12 4	2	14 1
1981	793,000	6,709	8 5	14,309	18 0	85	5 9	153	10 7	-	-
1982	801,000	6,625	8 3	14,538	18 1	93	6 4	147	10 1	1	6 9
1983	817,000	6,699	8 2	14,054	17 2	91	6 5	126	9 0	4	28 5
1984	824,000	6,698	8 1	14,141	17 2	110	7 8	125	8 8	1	7 1
1985	826,000	6,725	8 1	13,497	16 3	96	7.1	139	10.3	-	-
1986	819,000	6,738	8 2	12,728	15 5	95	7 5	122	9 6	2	15 7
1987	809,000	6,597	8 2	12,239	15 1	96	7 8	121	9 9	-	-
1988	805,000	6,759	8 4	11,682	14 5	92	7 9	100	8 6	1	8 6
1989	805,600	6,735	8 4	11,667	14 5	86	7 4	133	11 4	-	-
1990	799,065	6,835	8 6	11,602	14 5	78	6 7	106	9.1	-	-
1991	808,000	6,995	8 7	11,498	14 2	90	7 8	82	7 1	1	8.7
1992	823,700	7,067	8 6	11,468	13 9	84	7 3	85	7 4	-	-
1993	839,000	7,457	8 9	11,362	13 5	74	6 5	84	7 4	-	-
1994	856,240	7,331	8 6	11,062	12 9	52	4 7	82	7 4	-	-
1995	868,522	7,614	8 8	11,136	12 8	67	6 0	79	7 1	-	-
1996	879,370	7,686	8 7	10,840	12 3	58	5 4	75	6 9	1	9 2
1997	878,810	7,730	8 8	10,840	12 3	49	4 5	73	6 7	-	-
1998	879,533	7,960	9 1	10,791	12 3	76	7 0	82	7 6	1	9 3
1999	882,779	8,082	9 2	10,779	12 2	62	5 8	71	6 6	-	-
2000	902,195	8,071	8 9	10,946	12 1	55	5 0	63	5 8	2	18 3
2001	904,433	8,252	9 1	10,947	12 1	43	3 9	73	6 7	2	18 3
2002	909,453	8,473	9 3	11,045	12 1	51	4 6	81	7 3	-	-

* DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1948, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 1,000 ESTIMATED MIDYEAR POPULATION. U. S. CENSUS ENUMERATION'S ARE USED FOR YEARS ENDING IN ZERO.
** PER 1,000 LIVE BIRTHS.
\++ PER 100,000 LIVE BIRTHS.

TABLE S-2

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC	RES	OCC	RES	OCC	RES	OCC	RES	OCC	RES
MONTANA, TOTAL	8,481	8,473	11,019	11,045	52	51	75	81	-	-
BEAVERHEAD	69	75	85	93	1	1	-	-	-	-
BIG HORN	93	120	254	253	2	2	1	1	-	-
BLAINE	33	66	1	91	-	-	-	-	-	-
BROADWATER	36	38	1	43	-	-	-	-	-	-
CARBON	96	105	29	87	-	1	-	-	-	-
CARTER	13	18	-	8	-	-	-	-	-	-
CASCADE	845	758	1,382	1,082	6	5	12	9	-	-
CHOUTEAU	56	59	4	53	-	-	-	-	-	-
CUSTER	163	151	222	133	-	-	1	1	-	-
DANIELS	21	29	-	11	-	-	-	-	-	-
DAWSON	94	112	61	79	-	-	-	-	-	-
DEER LODGE	84	115	39	83	-	-	1	1	-	-
FALLON	31	33	5	29	-	1	-	1	-	-
FERGUS	166	163	99	92	-	-	-	-	-	-
FLATHEAD	704	682	1,067	996	4	6	4	8	-	-
GALLATIN	335	351	941	927	4	4	1	5	-	-
GARFIELD	16	21	-	18	-	-	-	-	-	-
GLACIER	108	119	224	257	1	2	2	3	-	-
GOLDEN VALLEY	-	6	-	11	-	-	-	-	-	-
GRANITE	18	27	-	15	-	-	-	-	-	-
HILL	131	139	329	261	1	1	-	1	-	-
JEFFERSON	48	81	1	94	-	-	-	1	-	-
JUDITH BASIN	10	21	1	20	-	-	-	-	-	-
LAKE	203	243	266	361	1	3	1	3	-	-
LEWIS & CLARK	512	474	719	666	1	1	6	8	-	-
LIBERTY	28	25	13	9	-	-	-	-	-	-
LINCOLN	160	199	96	196	1	1	2	3	-	-
MCCONE	22	19	1	12	-	-	1	-	-	-
MADISON	60	76	3	42	-	-	-	-	-	-
MEAGHER	22	27	-	22	-	-	-	1	-	-
MINERAL	32	40	1	37	-	-	-	-	-	-
MISSOULA	876	661	1,578	1,118	10	5	18	9	-	-
MUSSELSHELL	42	59	2	48	-	-	-	-	-	-
PARK	147	154	151	147	1	1	-	1	-	-
PETROLEUM	-	3	-	1	-	-	-	-	-	-
PHILLIPS	50	69	1	36	-	1	-	-	-	-
PONDERA	59	82	19	78	-	1	-	-	-	-
POWDER RIVER	15	16	-	13	-	-	-	-	-	-
POWELL	65	75	19	47	-	-	-	-	-	-
PRAIRIE	14	18	-	5	-	-	-	-	-	-
RAVALLI	303	370	205	411	3	3	-	1	-	-
RICHLAND	94	108	161	93	-	-	-	-	-	-
ROOSEVELT	109	127	85	219	-	-	3	3	-	-
ROSEBUD	48	78	4	173	-	4	2	2	-	-
SANDERS	78	108	43	99	-	-	-	2	-	-
SHERIDAN	52	60	14	18	-	-	-	-	-	-
SILVER BOW	451	443	450	368	2	2	1	1	-	-
STILLWATER	64	73	3	76	-	-	-	-	-	-
SWEET GRASS	43	47	-	37	-	-	-	-	-	-
TETON	61	74	1	60	-	-	-	-	-	-
TOOLE	61	59	48	38	-	-	2	-	-	-
TREASURE	6	5	-	2	-	-	-	-	-	-
VALLEY	95	110	131	81	1	-	-	2	-	-
WHEATLAND	27	34	-	23	-	-	-	-	-	-
WIBAUX	11	13	-	6	-	-	-	-	-	-
YELLOWSTONE	1,501	1,232	2,260	1,767	13	6	17	14	-	-
YELLOWSTONE PARK	-	1	-	-	-	-	-	-	-	-
NOT STATED	-	2	-	-	-	-	-	-	-	-

TABLE S-3

FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,473	8,003	433	37	11,045	9,467	1,393	185	51	41	9	1
BEAVERHEAD	75	75	-	-	93	89	3	1	1	1	-	-
BIG HORN	120	56	64	-	253	47	201	5	2	-	2	-
BLAINE	66	47	19	-	91	31	59	1	-	-	-	-
BROADWATER	38	37	-	1	43	41	2	-	-	-	-	-
CARBON	105	105	-	-	87	87	-	-	1	1	-	-
CARTER	18	18	-	-	8	8	-	-	-	-	-	-
CASCADE	758	722	32	4	1,082	957	89	36	5	5	-	-
CHOUTEAU	59	57	2	-	53	52	1	-	-	-	-	-
CUSTER	151	149	2	-	133	131	1	1	-	-	-	-
DANIELS	29	29	-	-	11	11	-	-	-	-	-	-
DAWSON	112	112	-	-	79	74	5	-	-	-	-	-
DEER LODGE	115	115	-	-	83	81	2	-	-	-	-	-
FALLON	33	33	-	-	29	28	1	-	1	1	-	-
FERGUS	163	163	-	-	92	89	-	3	-	-	-	-
FLATHEAD	682	675	3	4	996	965	13	18	6	6	-	-
GALLATIN	351	350	1	-	927	889	14	24	4	4	-	-
GARFIELD	21	21	-	-	18	18	-	-	-	-	-	-
GLACIER	119	48	70	1	257	47	210	-	2	-	2	-
GOLDEN VALLEY	6	6	-	-	11	11	-	-	-	-	-	-
GRANITE	27	26	1	-	15	15	-	-	-	-	-	-
HILL	139	121	17	1	261	159	99	3	1	1	-	-
JEFFERSON	81	81	-	-	94	91	1	2	-	-	-	-
JUDITH BASIN	21	21	-	-	20	20	-	-	-	-	-	-
LAKE	243	194	48	1	361	227	128	6	3	2	1	-
LEWIS & CLARK	474	460	10	4	666	624	29	13	1	1	-	-
LIBERTY	25	25	-	-	9	9	-	-	-	-	-	-
LINCOLN	199	197	2	-	196	190	3	3	1	1	-	-
MCCONE	19	19	-	-	12	12	-	-	-	-	-	-
MADISON	76	75	1	-	42	40	1	1	-	-	-	-
MEAGHER	27	26	1	-	22	22	-	-	-	-	-	-
MINERAL	40	39	-	1	37	36	1	-	-	-	-	-
MISSOULA	661	646	11	4	1,118	1,066	37	15	5	5	-	-
MUSSELSHELL	59	57	1	1	48	45	2	1	-	-	-	-
PARK	154	152	2	-	147	144	1	2	1	1	-	-
PETROLEUM	3	3	-	-	1	1	-	-	-	-	-	-
PHILLIPS	69	64	5	-	36	34	2	-	1	1	-	-
PONDERA	82	72	10	-	78	62	16	-	1	-	-	1
POWDER RIVER	16	15	1	-	13	13	-	-	-	-	-	-
POWELL	75	75	-	-	47	47	-	-	-	-	-	-
PRAIRIE	18	18	-	-	5	5	-	-	-	-	-	-
RAVALLI	370	366	4	-	411	403	1	7	3	3	-	-
RICHLAND	108	108	-	-	93	92	1	-	-	-	-	-
ROOSEVELT	127	69	58	-	219	47	172	-	-	-	-	-
ROSEBUD	78	55	23	-	173	58	111	4	4	-	4	-
SANDERS	108	103	5	-	99	88	7	4	-	-	-	-
SHERIDAN	60	59	1	-	18	17	1	-	-	-	-	-
SILVER BOW	443	439	4	-	368	348	14	6	2	2	-	-
STILLWATER	73	73	-	-	76	73	2	1	-	-	-	-
SWEET GRASS	47	47	-	-	37	37	-	-	-	-	-	-
TETON	74	72	1	1	60	58	1	1	-	-	-	-
TOOLE	59	59	-	-	38	36	1	1	-	-	-	-
TREASURE	5	5	-	-	2	2	-	-	-	-	-	-
VALLEY	110	99	11	-	81	63	17	1	-	-	-	-
WHEATLAND	34	34	-	-	23	22	1	-	-	-	-	-
WIBAUX	13	13	-	-	6	6	-	-	-	-	-	-
YELLOWSTONE	1,232	1,195	23	14	1,767	1,599	143	25	6	6	-	-
YELLOWSTONE PARK	1	1	-	-	-	-	-	-	-	-	-	-
NOT STATED	2	2	-	-	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY RACE OF THE MOTHER.

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE AND COUNTY OF RESIDENCE MONTANA , 2002

	FETAL DEATHS				INFANT DEATHS				CHILD* DEATHS			
	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES
MONTANA	51	41	9	1	81	66	12	3	70	57	13	-
BEAVERHEAD	1	1	-	-	-	-	-	-	-	-	-	-
BIG HORN	2	-	2	-	1	-	1	-	1	-	1	-
BLAINE	-	-	-	-	-	-	-	-	1	-	1	-
BROADWATER	-	-	-	-	-	-	-	-	1	1	-	-
CARBON	1	1	-	-	-	-	-	-	2	2	-	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	5	5	-	-	9	8	1	-	5	3	2	-
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-
CUSTER	-	-	-	-	1	1	-	-	2	2	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-
DEER LODGE	-	-	-	-	1	1	-	-	1	1	-	-
FALLON	1	1	-	-	1	1	-	-	-	-	-	-
FERGUS	-	-	-	-	-	-	-	-	1	1	-	-
FLATHEAD	6	6	-	-	8	8	-	-	4	4	-	-
GALLATIN	4	4	-	-	5	5	-	-	2	2	-	-
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	2	-	2	-	3	-	3	-	1	-	1	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-
HILL	1	1	-	-	1	1	-	-	1	1	-	-
JEFFERSON	-	-	-	-	1	1	-	-	-	-	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	3	2	1	-	3	2	1	-	4	2	2	-
LEWIS & CLARK	1	1	-	-	8	8	-	-	5	5	-	-
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	1	1	-	-	3	3	-	-	3	3	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-
MEAGHER	-	-	-	-	1	1	-	-	1	1	-	-
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-
MISSOULA	5	5	-	-	9	6	1	2	6	6	-	-
MUSSELSHELL	-	-	-	-	-	-	-	-	1	1	-	-
PARK	1	1	-	-	1	1	-	-	-	-	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	1	1	-	-	-	-	-	-	3	2	1	-
PONDERA	1	-	-	1	-	-	-	-	1	-	1	-
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-
POWELL	-	-	-	-	-	-	-	-	2	2	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	3	3	-	-	1	1	-	-	6	6	-	-
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-
ROOSEVELT	-	-	-	-	3	-	3	-	3	1	2	-
ROSEBUD	4	-	4	-	2	-	2	-	2	1	1	-
SANDERS	-	-	-	-	2	2	-	-	1	1	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	2	2	-	-	1	1	-	-	2	2	-	-
STILLWATER	-	-	-	-	-	-	-	-	1	1	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	-	-	-	-	-	-	-	-	-
TOOLE	-	-	-	-	-	-	-	-	1	1	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	2	2	-	-	1	1	-	-
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	6	6	-	-	14	13	-	1	4	3	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	1	1	-	-

* AGED 1-17 YEARS.

TABLE S-5

FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION* BY YEAR
MONTANA OCCURENCES, 1944 - 2002

YEAR	MARRIAGES		MARITAL TERMINATIONS*	
	NUMBER	RATE**	NUMBER	RATE**
1944	6,433	11 2	1,745	3 1
1945	8,147	14 2	2,380	4 1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4 2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3 1
1952	6,410	10.6	1,989	3 3
1953	6,597	10.7	1,986	3 2
1954	6,575	10.5	1,966	3.2
1955	6,514	10 2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9 7	2,004	3.0
1958	6,142	9 2	2,023	3.0
1959	6,228	9 3	2,062	3.1
1960	5,883	8 7	2,003	3.0
1961	5,636	8 3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6 9	1,909	2.7
1964	4,556	6 5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7 9	2,361	3.4
1968	6,250	9 0	2,592	3 7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10 0	3,366	4 7
1972	7,674	10.7	3,609	5.0
1973	7,751	10 8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9 8	4,286	5.7
1976	7,390	9 8	4,850	6.4
1977	7,547	9 9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10 4	5,106	6.5
1980	8,336	10 6	4,940	6.3
1981	8,209	10 4	5,004	6.3
1982	8,185	10 2	4,612	5.8
1983	8,092	9 9	4,644	5.7
1984	7,659	9 3	4,355	5.3
1985	7,178	8 7	4,258	5 2
1986	6,739	8 2	4,307	5.3
1987	6,540	8 1	4,116	5.1
1988	6,784	8 4	4,063	5.0
1989	6,765	8 4	4,104	5.1
1990	6,924	8 7	4,049	5.1
1991	6,984	8 6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8 4	4,311	5 1
1994	7,088	8.3	4,196	4 9
1995	6,818	7.8	4,214	4 8
1996	6,609	7.5	4,238	4.8
1997	6,708	7 6	4,058	4.6
1998	6,436	7.3	3,698*	4 2*
1999	6,785	7 7	3,318*	3.8*
2000	6,870	7 6	3,694*	4 1*
2001	6,612	7.3	3,735*	4 1*
2002	6,514	7 2	3,634*	4 0*

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEI (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

** PER 1,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE S-6

FREQUENCY OF LICENSES ISSUED, MARRIAGES SOLEMNIZED, MARITAL DISSOLUTIONS* AND MARRIAGES INVALIDATED* BY COUNTY OF OCCURRENCE - MONTANA, 2002

COUNTY	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARRIAGE TERMINATIONS	MARITAL DISSOLUTIONS*	INVALID MARRIAGES*
MONTANA, TOTAL	6,514	6,514	3,634	3,600	34
BEAVERHEAD	60	61	29	28	1
BIG HORN	90	86	3	3	-
BLAINE	35	41	5	5	-
BROADWATER	22	30	2	2	-
CARBON	109	185	23	23	-
CARTER	4	6	2	2	-
CASCADE	627	608	398	394	4
CHOUTEAU	26	32	8	8	-
CUSTER	72	70	54	54	-
DANIELS	8	8	3	3	-
DAWSON	66	63	22	22	-
DEER LODGE	57	57	37	36	1
FALLON	23	25	7	7	-
FERGUS	82	87	59	59	-
FLATHEAD	717	704	399	397	2
GALLATIN	690	610	242	241	1
GARFIELD	6	6	-	-	-
GLACIER	87	98	16	16	-
GOLDEN VALLEY	4	4	1	1	-
GRANITE	17	23	5	5	-
HILL	108	95	78	78	-
JEFFERSON	28	51	24	23	1
JUDITH BASIN	11	13	5	5	-
LAKE	160	211	111	110	1
LEWIS & CLARK	426	411	366	361	5
LIBERTY	11	7	3	3	-
LINCOLN	87	134	87	86	1
MCCONE	15	14	20	19	1
MADISON	36	58	-	-	-
MEAGHER	13	16	6	6	-
MINERAL	26	27	1	1	-
MISSOULA	779	635	433	427	6
MUSSELSHELL	30	30	19	19	-
PARK	106	140	71	71	-
PETROLEUM	7	5	-	-	-
PHILLIPS	20	26	1	1	-
PONDERA	33	34	19	19	-
POWDER RIVER	8	5	-	-	-
POWELL	19	29	16	16	-
PRAIRIE	2	1	-	-	-
RAVALLI	213	249	172	168	4
RICHLAND	83	73	28	28	-
ROOSEVELT	43	49	6	6	-
ROSEBUD	34	37	9	9	-
SANDERS	51	66	10	10	-
SHERIDAN	13	15	7	7	-
SILVER BOW	186	177	157	156	1
STILLWATER	45	41	8	8	-
SWEET GRASS	24	28	5	5	-
TETON	35	40	11	11	-
TOOLE	36	36	16	16	-
TREASURE	1	1	3	3	-
VALLEY	37	41	19	19	-
WHEATLAND	14	14	3	3	-
WIBAUX	3	2	-	-	-
YELLOWSTONE	969	899	605	600	5
YELLOWSTONE PARK	-	-	-	-	-
NOT STATED	-	-	-	-	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		9,009		12,886		6,895		4,366		9,675		1,343		79,389	
RESIDENCE																
NATURAL INCREASE	2,572	2.8	18	2.0	133	10.3	25	3.7	5	1.1	(18)	-1.9	(10)	-7.4	324	4.1
LIVE BIRTHS, TOTAL	11,045	12.1	93	10.3	253	19.6	91	13.2	43	9.8	87	9.0	8	6.0	1,082	13.6
SEX-MALE	5,616	12.5	41	---	129	---	42	---	22	---	43	---	4	---	558	---
FEMALE	5,429	12.0	52	---	124	---	49	---	21	---	44	---	4	---	524	---
OUT-OF-WEDLOCK	3,624	328.1	27	290.3	110	434.8	58	637.4	12	279.1	17	195.4	-	-	332	306.8
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	75	8.3	120	9.3	66	9.6	38	8.7	105	10.9	18	13.4	758	9.5
SEX-MALE	4,173	9.5	35	---	65	---	34	---	22	---	54	---	8	---	363	---
FEMALE	4,300	9.7	40	---	55	---	32	---	16	---	51	---	10	---	395	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	-	-	1	4.0	-	-	-	-	-	-	-	-	9	8.3
NEONATAL (UNDER 28 DAYS)	52	4.7	-	-	-	-	-	-	-	-	-	-	-	-	5	4.6
POSTNEONATAL (28 DAYS-1 YEAR)	29	2.6	-	-	1	4.0	-	-	-	-	-	-	-	-	4	3.7
FETAL DEATHS	51	4.6	1	10.8	2	7.9	-	-	-	-	1	11.5	-	-	5	4.6
PERINATAL DEATHS	103	9.3	1	10.8	2	7.9	-	-	-	-	1	11.5	-	-	10	9.2
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212.3	18	199.8	25	194.0	12	174.0	7	160.3	30	310.1	5	372.3	170	214.1
CANCER	1,901	209.0	21	233.1	20	155.2	15	217.5	10	229.0	23	237.7	4	297.8	171	215.4
CEREBROVASVULAR DISEASE	638	70.2	3	33.3	4	31.0	7	101.5	3	68.7	11	113.7	1	74.5	58	73.1
CHRON. LOWER RESP. DISEASES	573	63.0	3	33.3	9	69.8	5	72.5	1	22.9	7	72.4	1	74.5	48	60.5
ACCIDENTS	523	57.5	9	99.9	14	108.6	7	101.5	4	91.6	8	82.7	1	74.5	30	37.8
ALZHEIMER'S DISEASE	284	31.2	5	55.5	4	31.0	3	43.5	3	68.7	5	51.7	-	-	39	49.1
PNEUMONIA AND INFLUENZA	254	27.9	-	-	1	7.8	3	43.5	3	68.7	2	20.7	-	-	18	22.7
DIABETES	211	23.2	1	11.1	9	69.8	-	-	-	-	1	10.3	-	-	29	36.5
SUICIDE	182	20.0	3	33.3	1	7.8	3	43.5	-	-	-	-	-	-	21	26.5
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	-	-	7	54.3	2	29.0	2	45.8	-	-	-	-	6	7.6
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12.1	85	9.4	254	19.7	1	0.1	1	0.2	29	3.0	-	-	1,382	17.4
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9.3	69	7.7	93	7.2	33	4.8	36	8.2	96	9.9	13	9.7	845	10.6
INFANT (UNDER 1 YEAR)	75	6.8	-	-	1	3.9	-	-	-	-	-	-	-	-	12	8.7
ACCIDENTAL	561	0.6	8	0.9	17	1.3	4	0.6	3	0.7	13	1.3	-	-	35	0.4
MOTOR VEHICLE	288	0.3	6	0.7	17	1.3	2	0.3	2	0.5	9	0.9	-	-	13	0.2
OTHER ACCIDENTAL	273	0.3	2	0.2	-	-	2	0.3	1	0.2	4	0.4	-	-	22	0.3
MARRIAGES SOLUMNIZED	6,514	7.2	61	6.8	86	6.7	41	5.9	30	6.9	185	19.1	6	4.5	608	7.7
MARITAL TERMINATIONS#	3,634	4.0	29	3.2	3	0.2	5	0.7	2	0.5	23	2.4	2	1.5	398	5.0

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		5,566		11,341		1,967		8,713		9,069		2,715		11,678	
RESIDENCE																
NATURAL INCREASE	2,572	2 8	(6)	-1 0	(18)	-1 6	(18)	-8.9	(33)	-3.7	(32)	-3.5	(4)	-1 5	(71)	-6.0
LIVE BIRTHS, TOTAL	11,045	12 1	53	9 5	133	11.7	11	5.6	79	9.1	83	9.2	29	10.7	92	7.9
SEX-MALE	5,616	12.5	24	---	66	---	2	---	46	---	50	---	13	---	42	---
FEMALE	5,429	12.0	29	---	67	---	9	---	33	---	33	---	16	---	50	---
OUT-OF-WEDLOCK	3,624	328 1	13	245.3	59	443 6	4	363.6	30	379.7	40	481 9	4	137.9	21	228.3
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	59	10.6	151	13.3	29	14 7	112	12.9	115	12 7	33	12 2	163	14 0
SEX-MALE	4,173	9.5	29	---	71	---	12	---	58	---	55	---	23	---	85	---
FEMALE	4,300	9.7	30	---	80	---	17	---	54	---	60	---	10	---	78	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	-	-	1	7.5	-	-	-	-	1	12.0	1	34.5	-	-
NEONATAL (UNDER 28 DAYS)	52	4 7	-	-	-	-	-	-	-	-	-	-	1	34.5	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2 6	-	-	1	7 5	-	-	-	-	1	12.0	-	-	-	-
FETAL DEATHS	51	4 6	-	-	-	-	-	-	-	-	-	-	1	34 5	-	-
PERINATAL DEATHS	103	9 3	-	-	-	-	-	-	-	-	-	-	2	69.0	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212 3	19	341 4	22	194 0	5	254 2	35	401 7	21	231.6	11	405.2	47	402.5
CANCER	1,901	209.0	14	251 5	36	317 4	4	203 4	25	286 9	22	242.6	11	405.2	29	248.3
CEREBROVASVULAR DISEASE	638	70 2	2	35.9	11	97 0	4	203 4	13	149 2	6	66.2	2	73.7	9	77.1
CHRON. LOWER RESP. DISEASES	573	63.0	3	53 9	16	141 1	3	152.5	3	34 4	18	198.5	-	-	8	68.5
ACCIDENTS	523	57.5	3	53.9	6	52.9	1	50 8	4	45.9	7	77 2	-	-	6	51 4
ALZHEIMER'S DISEASE	284	31 2	2	35 9	9	79 4	1	50 8	-	-	2	22 1	-	-	7	59 9
PNEUMONIA AND INFLUENZA	254	27.9	2	35.9	4	35.3	1	50 8	2	23.0	8	88 2	-	-	13	111.3
DIABETES	211	23 2	1	18.0	5	44 1	-	-	1	11 5	3	33.1	-	-	2	17.1
SUICIDE	182	20 0	-	-	4	35 3	2	101.7	2	23.0	1	11 0	-	-	5	42 8
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	-	-	1	8 8	-	-	3	34.4	1	11 0	-	-	1	8 6
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12 1	4	0 7	222	19 6	-	-	61	7.0	39	4 3	5	1.8	99	8.5
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9 3	56	10.1	163	14 4	21	10.7	94	10 8	84	9 3	31	11 4	166	14 2
INFANT (UNDER 1 YEAR)	75	6.8	-	-	1	4 5	-	-	-	-	1	25 6	-	-	-	-
ACCIDENTAL	561	0 6	8	1 4	3	0.3	1	0.5	3	0.3	2	0 2	2	0.7	7	0 6
MOTOR VEHICLE	288	0 3	6	1 1	1	0 1	1	0.5	1	0.1	1	0.1	1	0 4	5	0.4
OTHER ACCIDENTAL	273	0 3	2	0 4	2	0.2	-	-	2	0 2	1	0 1	1	0 4	2	0 2
MARRIAGES SOLUMNIZED	6,514	7 2	32	5.7	70	6 2	8	4 1	63	7 2	57	6.3	25	9 2	87	7 4
MARITAL TERMINATIONS#	3,634	4 0	8	1 4	54	4 8	3	1.5	22	2 5	37	4 1	7	2 6	59	5 1

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		77,240		71,206		1,230		13,106		1,063		2,863		16,372	
RESIDENCE																
NATURAL INCREASE	2,572	2.8	314	4.1	576	8 2	(3)	-2.4	138	10.5	5	4 9	(12)	-4 2	122	7.4
LIVE BIRTHS, TOTAL	11,045	12 1	996	12.9	927	13.0	18	14.6	257	19.6	11	10.3	15	5.2	261	15.9
SEX-MALE	5,616	12.5	500	—	470	—	8	—	133	—	5	—	4	—	134	—
FEMALE	5,429	12 0	496	—	457	—	10	—	124	—	6	—	11	—	127	—
OUT-OF-WEDLOCK	3,624	328.1	277	278 1	160	172 6	1	55.6	184	716.0	3	272 7	4	266.7	135	517.2
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9 3	682	8 8	351	4 9	21	17.1	119	9 1	6	5 6	27	9.4	139	8.5
SEX-MALE	4,173	9 5	332	—	156	—	10	—	64	—	2	—	13	—	64	—
FEMALE	4,300	9.7	350	—	195	—	11	—	55	—	4	—	14	—	75	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	8	8 0	5	5 4	-	-	3	11.7	-	-	-	-	1	3.8
NEONATAL (UNDER 28 DAYS)	52	4 7	5	5 0	5	5.4	-	-	2	7.8	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2 6	3	3.0	-	-	-	-	1	3 9	-	-	-	-	1	3 8
FETAL DEATHS	51	4 6	6	6 0	4	4.3	-	-	2	7 8	-	-	-	-	1	3 8
PERINATAL DEATHS	103	9 3	11	11.0	9	9 7	-	-	4	15.6	-	-	-	-	1	3.8
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212 3	147	190 3	76	106.7	11	894.3	20	152.6	1	94 1	8	279 4	35	213.8
CANCER	1,901	209 0	161	208 4	65	91 3	4	325 2	24	183.1	2	188 1	5	174 6	35	213.8
CEREBROVASVULAR DISEASE	638	70 2	74	95 8	29	40.7	1	81.3	5	38.2	-	-	-	-	9	55.0
CHRON. LOWER RESP. DISEASES	573	63 0	39	50.5	11	15 4	-	-	7	53.4	-	-	5	174 6	9	55.0
ACCIDENTS	523	57 5	41	53 1	25	35.1	1	81.3	18	137 3	1	94 1	1	34 9	7	42.8
ALZHEIMER'S DISEASE	284	31.2	16	20.7	17	23.9	-	-	2	15.3	-	-	1	34 9	6	36.6
PNEUMONIA AND INFLUENZA	254	27.9	21	27 2	15	21.1	2	162.6	3	22.9	-	-	-	-	4	24.4
DIABETES	211	23 2	14	18 1	8	11 2	-	-	3	22.9	-	-	-	-	-	-
SUICIDE	182	20.0	16	20.7	11	15 4	-	-	1	7.6	-	-	1	34 9	1	6.1
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13 6	10	12 9	3	4 2	-	-	5	38 2	-	-	-	-	4	24 4
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12 1	1,067	13 8	941	13 2	-	-	224	17 1	-	-	-	-	329	20.1
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9 3	704	9 1	335	4.7	16	13.0	108	8.2	-	-	18	6.3	131	8 0
INFANT (UNDER 1 YEAR)	75	6 8	4	3.7	1	1.1	-	-	2	8.9	-	-	-	-	-	-
ACCIDENTAL	561	0 6	40	0 5	26	0 4	-	-	19	1 4	-	-	4	1 4	4	0.2
MOTOR VEHICLE	288	0.3	16	0 2	17	0.2	-	-	11	0 8	-	-	2	0 7	2	0.1
OTHER ACCIDENTAL	273	0 3	24	0 3	9	0 1	-	-	8	0 6	-	-	2	0 7	2	0 1
MARRIAGES SOLUMNIZED	6,514	7 2	704	9 1	610	8 6	6	4 9	98	7 5	4	3 8	23	8 0	95	5 8
MARITAL TERMINATIONS#	3,634	4 0	399	5 2	242	3 4	-	-	16	1 2	1	0 9	5	1 7	78	4 8

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		10,424		2,273		26,908		56,554		2,037		18,665		1,827	
RESIDENCE																
NATURAL INCREASE.	2,572	2 8	13	1.3	(1)	-0 4	118	4 4	192	3 4	(16)	-7.6	(3)	-0 2	(7)	-3 7
LIVE BIRTHS, TOTAL	11,045	12 1	94	9 0	20	8 8	361	13 4	666	11.8	9	4 4	196	10.5	12	6.6
SEX-MALE . . .	5,616	12 5	45	—	11	—	191	—	333	—	3	—	108	—	7	—
FEMALE	5,429	12.0	49	—	9	—	170	—	333	—	6	—	88	—	5	—
OUT-OF-WEDLOCK	3,624	328 1	24	255.3	3	150.0	174	482 0	180	270 3	1	111.1	62	316.3	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9 3	81	7 8	21	9 2	243	9.0	474	8 4	25	12.3	199	10.7	19	10 4
SEX-MALE.	4,173	9 5	33	—	11	—	139	—	229	—	12	—	115	—	9	—
FEMALE.	4,300	9.7	48	—	10	—	104	—	245	—	13	—	84	—	10	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).	81	7 3	1	10 6	-	-	3	8 3	8	12 0	-	-	3	15.3	-	-
NEONATAL (UNDER 28 DAYS) .	52	4 7	1	10 6	-	-	1	2 8	6	9 0	-	-	3	15.3	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2 6	-	-	-	-	2	5 5	2	3.0	-	-	-	-	-	-
FETAL DEATHS . . .	51	4 6	-	-	-	-	3	8 3	1	1 5	-	-	1	5.1	-	-
PERINATAL DEATHS	103	9 3	1	10 6	-	-	4	11 1	7	10 5	-	-	4	20.4	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212 3	20	191.9	5	220 0	52	193 3	98	173 3	9	441.8	60	321.5	3	164 2
CANCER .	1,901	209 0	21	201.5	3	132 0	66	245 3	96	169 7	5	245.5	48	257 2	5	273.7
CEREBROVASVULAR DISEASE	638	70.2	4	38 4	2	88 0	15	55 7	31	54 8	1	49 1	15	80 4	2	109.5
CHRON LOWER RESP DISEASES	573	63 0	3	28 8	-	-	12	44 6	36	63.7	1	49.1	12	64.3	3	164 2
ACCIDENTS . .	523	57 5	7	67 2	3	132 0	25	92.9	36	63 7	2	98.2	10	53.6	2	109.5
ALZHEIMER'S DISEASE	284	31 2	1	9 6	1	44 0	6	22.3	13	23 0	-	-	5	26 8	1	54 7
PNEUMONIA AND INFLUENZA	254	27 9	1	9 6	-	-	10	37 2	17	30 1	1	49.1	3	16.1	-	-
DIABETES	211	23.2	1	9.6	1	44 0	5	18 6	15	26 5	2	98.2	3	16.1	-	-
SUICIDE. . .	182	20 0	-	-	-	-	7	26 0	10	17 7	-	-	4	21 4	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	2	19 2	-	-	4	14 9	5	8 8	1	49.1	2	10.7	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12.1	1	0.1	1	0 4	266	9.9	719	12 7	13	6 4	96	5.1	1	0.5
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9 3	48	4 6	10	4 4	203	7 5	512	9 1	28	13 7	160	8.6	22	12 0
INFANT (UNDER 1 YEAR)	75	6.8	-	-	-	-	1	3 8	6	8 3	-	-	2	20 8	1	1000 0
ACCIDENTAL . . .	561	0.6	7	0.7	2	0 9	22	0 8	35	0 6	3	1.5	7	0 4	3	1 6
MOTOR VEHICLE	288	0.3	3	0.3	-	-	14	0 5	15	0 3	2	1 0	2	0.1	2	1 1
OTHER ACCIDENTAL	273	0.3	4	0 4	2	0 9	8	0 3	20	0 4	1	0 5	5	0 3	1	0 5
MARRIAGES SOLUMNIZED	6,514	7 2	51	4 9	13	5.7	211	7 8	411	7.3	7	3 4	134	7 2	14	7.7
MARITAL TERMINATIONS#	3,634	4 0	24	2 3	5	2 2	111	4 1	366	6 5	3	1 5	87	4 7	-	-

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		7,005		1,941		3,803		98,102		4,410		15,767		500	
RESIDENCE																
NATURAL INCREASE	2,572	2.8	(34)	-4.9	(5)	-2.6	(3)	-0.8	457	4.7	(11)	-2.5	(7)	-0.4	(2)	-4.1
LIVE BIRTHS, TOTAL	11,045	12.1	42	6.0	22	11.3	37	9.7	1,118	11.4	48	10.9	147	9.3	1	2.0
SEX-MALE	5,616	12.5	22	—	12	—	20	—	583	—	24	—	66	—	-	—
FEMALE	5,429	12.0	20	—	10	—	17	—	535	—	24	—	81	—	1	—
OUT-OF-WEDLOCK	3,624	328.1	9	214.3	6	272.7	15	405.4	351	314.0	16	333.3	38	258.5	-	-
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	76	10.8	27	13.9	40	10.5	661	6.7	59	13.4	154	9.8	3	6.0
SEX-MALE	4,173	9.5	31	—	14	—	21	—	312	—	29	—	82	—	2	—
FEMALE	4,300	9.7	45	—	13	—	19	—	349	—	30	—	72	—	1	—
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	-	-	1	45.5	-	-	9	8.1	-	-	1	6.8	-	-
NEONATAL (UNDER 28 DAYS)	52	4.7	-	-	-	-	-	-	8	7.2	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2.6	-	-	1	45.5	-	-	1	0.9	-	-	1	6.8	-	-
FETAL DEATHS	51	4.6	-	-	-	-	-	-	5	4.5	-	-	1	6.8	-	-
PERINATAL DEATHS	103	9.3	-	-	-	-	-	-	13	11.6	-	-	1	6.8	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212.3	18	257.0	10	515.2	8	210.4	155	158.0	16	362.8	25	158.6	1	200.0
CANCER	1,901	209.0	12	171.3	3	154.6	13	341.8	142	144.7	12	272.1	43	272.7	2	400.0
CEREBROVASVULAR DISEASE	638	70.2	14	199.9	1	51.5	2	52.6	41	41.8	5	113.4	10	63.4	-	-
CHRON. LOWER RESP. DISEASES	573	63.0	4	57.1	1	51.5	2	52.6	60	61.2	6	136.1	6	38.1	-	-
ACCIDENTS	523	57.5	8	114.2	1	51.5	4	105.2	38	38.7	5	113.4	6	38.1	-	-
ALZHEIMER'S DISEASE	284	31.2	1	14.3	-	-	-	-	22	22.4	-	-	3	19.0	-	-
PNEUMONIA AND INFLUENZA	254	27.9	3	42.8	1	51.5	1	26.3	20	20.4	-	-	5	31.7	-	-
DIABETES	211	23.2	1	14.3	-	-	2	52.6	13	13.3	1	22.7	5	31.7	-	-
SUICIDE	182	20.0	1	14.3	1	51.5	3	78.9	20	20.4	-	-	5	31.7	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	-	-	-	-	-	-	10	10.2	1	22.7	2	12.7	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12.1	3	0.4	-	-	1	0.3	1,578	16.1	2	0.5	151	9.6	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9.3	60	8.6	22	11.3	32	8.4	876	8.9	42	9.5	147	9.3	-	-
INFANT (UNDER 1 YEAR)	75	6.8	-	-	-	-	-	-	18	11.4	-	-	-	-	-	-
ACCIDENTAL	561	0.6	7	1.0	1	0.5	5	1.3	67	0.7	7	1.6	15	1.0	-	-
MOTOR VEHICLE	288	0.3	4	0.6	1	0.5	3	0.8	27	0.3	1	0.2	9	0.6	-	-
OTHER ACCIDENTAL	273	0.3	3	0.4	-	-	2	0.5	40	0.4	6	1.4	6	0.4	-	-
MARRIAGES SOLUMNIZED	6,514	7.2	58	8.3	16	8.2	27	7.1	635	6.5	30	6.8	140	8.9	5	10.0
MARITAL TERMINATIONS#	3,634	4.0	20	2.9	6	3.1	1	0.3	433	4.4	19	4.3	71	4.5	-	-

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		4,321		6,232		1,829		7,045		1,190		37,868		9,265	
RESIDENCE																
NATURAL INCREASE	2,572	2.8	(33)	-7 5	(4)	-0 6	(3)	-1.7	(28)	-4 0	(13)	-10 8	41	1.1	(15)	-1.6
LIVE BIRTHS, TOTAL	11,045	12 1	36	8 3	78	12 5	13	7.1	47	6.7	5	4 2	411	10 9	93	10.0
SEX-MALE	5,616	12 5	24	---	44	---	8	---	30	---	4	---	201	---	47	---
FEMALE	5,429	12 0	12	---	34	---	5	---	17	---	1	---	210	---	46	---
OUT-OF-WEDLOCK	3,624	328 1	11	305 6	27	346.2	1	76 9	15	319 1	2	400.0	96	233.6	29	311 8
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	69	16 0	82	13 2	16	8 7	75	10 6	18	15.1	370	9.8	108	11.7
SEX-MALE	4,173	9 5	37	---	37	---	10	---	41	---	11	---	198	---	47	---
FEMALE	4,300	9 7	32	---	45	---	6	---	34	---	7	---	172	---	61	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	-	-	-	-	-	-	-	-	-	-	1	2.4	-	-
NEONATAL (UNDER 28 DAYS)	52	4 7	-	-	-	-	-	-	-	-	-	-	1	2 4	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS	51	4 6	1	27 8	1	12 8	-	-	-	-	-	-	3	7.3	-	-
PERINATAL DEATHS	103	9 3	1	27 8	1	12 8	-	-	-	-	-	-	4	9 7	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212 3	19	439 7	9	144 4	3	164 0	19	269 7	4	336 1	70	184.9	34	367 0
CANCER	1,901	209 0	14	324 0	23	369 1	4	218.7	23	326 5	1	84 0	101	266.7	30	323.8
CEREBROVASVULAR DISEASE	638	70 2	7	162 0	7	112 3	1	54.7	4	56.8	3	252 1	37	97.7	8	86 3
CHRON. LOWER RESP. DISEASES	573	63 0	2	46 3	2	32.1	-	-	4	56.8	1	84.0	29	76.6	7	75.6
ACCIDENTS	523	57.5	7	162 0	7	112 3	1	54.7	3	42 6	-	-	18	47.5	3	32.4
ALZHEIMER'S DISEASE	284	31.2	2	46 3	1	16.0	-	-	1	14 2	1	84 0	18	47.5	2	21.6
PNEUMONIA AND INFLUENZA	254	27 9	5	115 7	2	32 1	-	-	1	14 2	1	84 0	10	26 4	3	32 4
DIABETES	211	23 2	1	23 1	2	32 1	-	-	3	42 6	1	84.0	5	13.2	1	10 8
SUICIDE	182	20 0	2	46 3	2	32 1	-	-	1	14 2	-	-	5	13 2	3	32 4
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	1	23 1	3	48 1	-	-	1	14 2	-	-	3	7.9	2	21.6
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12 1	1	0 2	19	3 0	-	-	19	2.7	-	-	205	5 4	161	17 4
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9 3	50	11 6	59	9.5	15	8 2	65	9 2	14	11.8	303	8.0	94	10 1
INFANT (UNDER 1 YEAR)	75	6 8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL	561	0 6	3	0.7	7	1 1	4	2 2	7	1 0	1	0 8	11	0.3	1	0.1
MOTOR VEHICLE	288	0 3	2	0 5	4	0 6	4	2 2	5	0.7	1	0 8	5	0 1	-	-
OTHER ACCIDENTAL	273	0 3	1	0.2	3	0.5	-	-	2	0.3	-	-	6	0.2	1	0 1
MARRIAGES SOLUMNIZED	6,514	7 2	26	6.0	34	5 5	5	2.7	29	4 1	1	0 8	249	6 6	73	7 9
MARITAL TERMINATIONS#	3,634	4 0	1	0 2	19	3 0	-	-	16	2 3	-	-	172	4 5	28	3 0

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

— NOT CALCULATED OR NOT AVAILABLE.

- QUANITY IS ZERO. (_) VALUE IS LESS THAN ZERO.

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TABLE S-7 (CONTINUED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		10,494		9,273		10,367		3,798		33,403		8,420		3,623	
RESIDENCE																
NATURAL INCREASE	2,572	2.8	92	8.7	95	10.2	(9)	-0.9	(42)	-10.7	(75)	-2.2	3	0.4	(10)	-2.8
LIVE BIRTHS, TOTAL	11,045	12.1	219	20.9	173	18.7	99	9.5	18	4 7	368	11.0	76	9.0	37	10.2
SEX-MALE	5,616	12.5	106	---	90	---	39	---	9	---	181	---	38	---	23	---
FEMALE	5,429	12.0	113	---	83	---	60	---	9	---	187	---	38	---	14	---
OUT-OF-WEDLOCK	3,624	328.1	155	707.8	71	410.4	35	353.5	5	277.8	145	394.0	8	105.3	8	216.2
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	127	12.1	78	8.4	108	10.4	60	15 8	443	13.3	73	8 7	47	13.0
SEX-MALE	4,173	9.5	67	---	39	---	65	---	32	---	212	---	26	---	19	---
FEMALE	4,300	9.7	60	---	39	---	43	---	28	---	231	---	47	---	28	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	3	13.7	2	11.6	2	20.2	-	-	1	2 7	-	-	-	-
NEONATAL (UNDER 28 DAYS)	52	4.7	3	13.7	1	5.8	1	10.1	-	-	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	29	2.6	-	-	1	5.8	1	10.1	-	-	1	2.7	-	-	-	-
FETAL DEATHS	51	4 6	-	-	4	23 1	-	-	-	-	2	5 4	-	-	-	-
PERINATAL DEATHS	103	9.3	3	13.7	5	28.9	1	10.1	-	-	2	5.4	-	-	-	-
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212.3	43	409.8	17	183.3	26	250.8	14	368 6	113	338.3	20	237.5	9	248.4
CANCER	1,901	209.0	20	190.6	20	215.7	26	250 8	11	289.6	91	272.4	10	118 8	11	303.6
CEREBROVASVULAR DISEASE	638	70.2	6	57.2	1	10.8	8	77.2	7	184.3	36	107.8	6	71.3	4	110.4
CHRON LOWER RESP DISEASES	573	63 0	6	57.2	4	43.1	6	57.9	5	131.6	34	101.8	10	118.8	4	110.4
ACCIDENTS	523	57.5	12	114 4	5	53 9	12	115 8	1	26.3	15	44 9	4	47 5	2	55 2
ALZHEIMER'S DISEASE	284	31.2	2	19 1	1	10 8	1	9 6	7	184.3	15	44 9	3	35 6	1	27.6
PNEUMONIA AND INFLUENZA	254	27.9	5	47 6	3	32.4	6	57.9	3	79 0	11	32.9	1	11 9	1	27 6
DIABETES	211	23.2	4	38.1	2	21.6	2	19.3	-	-	17	50.9	2	23 8	-	-
SUICIDE	182	20.0	-	-	2	21.6	2	19.3	-	-	12	35.9	-	-	-	-
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13.6	5	47.6	3	32.4	1	9 6	1	26 3	7	21.0	2	23 8	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12.1	85	8 1	4	0.4	43	4 1	14	3.7	450	13.5	3	0 4	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9.3	109	10 4	48	5.2	78	7 5	52	13.7	451	13 5	64	7.6	43	11.9
INFANT (UNDER 1 YEAR)	75	6.8	3	35.3	2	500.0	-	-	-	-	1	2 2	-	-	-	-
ACCIDENTAL	561	0.6	12	1.1	1	0 1	7	0 7	-	-	21	0 6	5	0.6	3	0.8
MOTOR VEHICLE	288	0.3	4	0 4	-	-	4	0 4	-	-	10	0.3	4	0 5	2	0.6
OTHER ACCIDENTAL	273	0.3	8	0 8	1	0.1	3	0 3	-	-	11	0.3	1	0.1	1	0.3
MARRIAGES SOLUMNIZED	6,514	7.2	49	4 7	37	4 0	66	6 4	15	3 9	177	5 3	41	4 9	28	7.7
MARITAL TERMINATIONS#	3,634	4.0	6	0 6	9	1.0	10	1 0	7	1.8	157	4 7	8	1.0	5	1 4

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

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TABLE S-7 (CONCLUDED)

SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2002

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	909,453		6,315		5,103		785		7,382		2,164		1,046		131,622	
RESIDENCE																
NATURAL INCREASE	2,572	2 8	(14)	-2 2	(21)	-4 0	(3)	-3.7	(29)	-3 9	(11)	-5.1	(7)	-6.7	535	4 1
LIVE BIRTHS, TOTAL	11,045	12 1	60	9.5	38	7 4	2	2 5	81	11.0	23	10 6	6	5.7	1,767	13 4
SEX-MALE	5,616	12 5	33	---	20	---	1	---	45	---	9	---	3	---	900	---
FEMALE	5,429	12 0	27	---	18	---	1	---	36	---	14	---	3	---	867	---
OUT-OF-WEDLOCK	3,624	328 1	7	116.7	13	342 1	-	-	28	345.7	5	217 4	-	-	593	335 6
DEATHS (EXCLUDING FETALS), TOTAL	8,473	9.3	74	11.7	59	11.6	5	6.4	110	14 9	34	15.7	13	12 4	1,232	9.4
SEX-MALE	4,173	9.5	34	---	25	---	2	---	55	---	20	---	2	---	597	---
FEMALE	4,300	9 7	40	---	34	---	3	---	55	---	14	---	11	---	635	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	81	7.3	-	-	-	-	-	-	2	24 7	-	-	-	-	14	7.9
NEONATAL (UNDER 28 DAYS)	52	4 7	-	-	-	-	-	-	2	24.7	-	-	-	-	7	4 0
POSTNEONATAL (28 DAYS-1 YEAR)	29	2 6	-	-	-	-	-	-	-	-	-	-	-	-	7	4.0
FETAL DEATHS	51	4 6	-	-	-	-	-	-	-	-	-	-	-	-	6	3 4
PERINATAL DEATHS	103	9 3	-	-	-	-	-	-	2	24 7	-	-	-	-	13	7 4
LEADING CAUSES OF DEATH **																
HEART DISEASE	1,931	212 3	16	253 4	8	156 8	1	127.4	24	325.1	11	508 3	2	191 2	264	200 6
CANCER	1,901	209 0	17	269 2	18	352 7	3	382 2	28	379.3	9	415 9	4	382 4	265	201.3
CEREBROVASVULAR DISEASE	638	70.2	4	63.3	2	39 2	1	127 4	7	94 8	1	46 2	-	-	93	70.7
CHRON. LOWER RESP. DISEASES	573	63 0	4	63 3	3	58 8	-	-	11	149 0	3	138 6	1	95 6	95	72 2
ACCIDENTS	523	57 5	4	63 3	8	156 8	-	-	8	108 4	3	138 6	1	95 6	67	50.9
ALZHEIMER'S DISEASE	284	31.2	9	142.5	1	19 6	-	-	-	-	-	-	-	-	44	33 4
PNEUMONIA AND INFLUENZA	254	27.9	1	15 8	4	78.4	-	-	1	13 5	-	-	1	95 6	31	23 6
DIABETES	211	23 2	3	47 5	1	19.6	-	-	4	54 2	1	46 2	1	95 6	35	26 6
SUICIDE	182	20 0	1	15 8	2	39.2	-	-	3	40 6	-	-	-	-	23	17.5
CHRONIC LIVER DISEASE & CIRRHOSIS	124	13 6	1	15 8	-	-	-	-	1	13.5	1	46 2	-	-	20	15.2
OCCURRENCE																
LIVE BIRTHS, TOTAL	11,019	12 1	1	0 2	48	9 4	-	-	131	17.7	-	-	-	-	2,260	17.2
DEATHS (EXCLUDING FETAL), TOTAL	8,481	9.3	61	9 7	61	12 0	6	7.6	95	12.9	27	12 5	11	10 5	1,501	11.4
INFANT (UNDER 1 YEAR)	75	6 8	-	-	2	41 7	-	-	-	-	-	-	-	-	17	7.5
ACCIDENTAL	561	0 6	6	1 0	8	1 6	2	2 5	6	0 8	1	0.5	1	1.0	74	0 6
MOTOR VEHICLE	288	0 3	2	0 3	5	1 0	2	2.5	2	0 3	-	-	1	1 0	35	0 3
OTHER ACCIDENTAL	273	0.3	4	0.6	3	0.6	-	-	4	0 5	1	0.5	-	-	39	0.3
MARRIAGES SOLUMNIZED	6,514	7.2	40	6.3	36	7.1	1	1.3	41	5 6	14	6 5	2	1 9	899	6.8
MARITAL TERMINATIONS#	3,634	4 0	11	1 7	16	3 1	3	3 8	19	2 6	3	1 4	-	-	605	4 6

* INFANT AND FETAL MORTALITY RATES ARE SHOWN PER 1,000 LIVE BIRTHS.

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TABLE S-8

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
TOTAL											
LIVE BIRTHS											
NUMBER	11,045	9	366	902	3,155	3,028	2,319	1,004	246	13	3
PERCENT	100.0	0.1	3.3	8.2	28.6	27.4	21.0	9.1	2.2	0.1	-
FETAL DEATHS											
NUMBER	51	1	1	2	17	11	13	4	2	-	-
PERCENT	100.0	2.0	2.0	3.9	33.3	21.6	25.5	7.8	3.9	-	-
INDUCED ABORTIONS											
NUMBER	2,034	15	178	262	678	381	269	169	79	3	-
PERCENT	100.0	0.7	8.8	12.9	33.3	18.7	13.2	8.3	3.9	0.1	-
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	93	-	4	9	31	24	14	9	2	-	-
PERCENT	100.0	-	4.3	9.7	33.3	25.8	15.1	9.7	2.2	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	23	-	2	2	8	2	4	4	1	-	-
PERCENT	100.0	-	8.7	8.7	34.8	8.7	17.4	17.4	4.3	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	253	2	12	41	77	59	39	16	6	1	-
PERCENT	100.0	0.8	4.7	16.2	30.4	23.3	15.4	6.3	2.4	0.4	-
FETAL DEATHS											
NUMBER	2	1	-	-	-	-	1	-	-	-	-
PERCENT	100.0	50.0	-	-	-	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	17	-	3	2	5	4	1	-	2	-	-
PERCENT	100.0	-	17.6	11.8	29.4	23.5	5.9	-	11.8	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	91	-	7	9	29	25	7	11	3	-	-
PERCENT	100.0	-	7.7	9.9	31.9	27.5	7.7	12.1	3.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	-	3	2	4	1	1	-	-	-
PERCENT	100.0	-	-	27.3	18.2	36.4	9.1	9.1	-	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	43	-	-	5	13	7	11	6	1	-	-
PERCENT	100.0	-	-	11.6	30.2	16.3	25.6	14.0	2.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	-	2	-	2	1	1	-	-
PERCENT	100.0	-	-	-	33.3	-	33.3	16.7	16.7	-	-
CARBON											
LIVE BIRTHS											
NUMBER	87	1	1	6	23	30	23	3	-	-	-
PERCENT	100.0	1.1	1.1	6.9	26.4	34.5	26.4	3.4	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	4	-	2	2	-	3	2	-	-
PERCENT	100.0	-	30.8	-	15.4	15.4	-	23.1	15.4	-	-
CARTER											
LIVE BIRTHS											
NUMBER	8	-	-	-	4	-	-	4	-	-	-
PERCENT	100.0	-	-	-	50.0	-	-	50.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
CASCADE											
LIVE BIRTHS											
NUMBER	1,082	-	33	96	371	257	208	88	27	2	-
PERCENT	100.0	-	3.0	8.9	34.3	23.8	19.2	8.1	2.5	0.2	-
FETAL DEATHS											
NUMBER	5	-	1	-	2	1	1	-	-	-	-
PERCENT	100.0	-	20.0	-	40.0	20.0	20.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	140	3	18	23	34	20	24	12	5	1	-
PERCENT	100.0	2.1	12.9	16.4	24.3	14.3	17.1	8.6	3.6	0.7	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	53	-	1	3	12	14	11	10	1	1	-
PERCENT	100.0	-	1.9	5.7	22.6	26.4	20.8	18.9	1.9	1.9	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	1	-	-	-	-	1	-	-
PERCENT	100.0	-	33.3	33.3	-	-	-	-	33.3	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	133	-	5	13	44	38	25	6	2	-	-
PERCENT	100.0	-	3.8	9.8	33.1	28.6	18.8	4.5	1.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	2	4	3	2	3	1	-	-	-
PERCENT	100.0	-	13.3	26.7	20.0	13.3	20.0	6.7	-	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	11	-	1	-	3	3	3	-	1	-	-
PERCENT	100.0	-	9.1	-	27.3	27.3	27.3	-	9.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	1	1	-	-	-	-
PERCENT	100.0	-	-	-	-	50.0	50.0	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	79	-	1	9	18	30	12	8	-	-	1
PERCENT	100.0	-	1.3	11.4	22.8	38.0	15.2	10.1	-	-	1.3
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	1	2	-	2	2	2	1	2	-	-
PERCENT	100.0	8.3	16.7	-	16.7	16.7	16.7	8.3	16.7	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	83	-	7	10	29	16	13	8	-	-	-
PERCENT	100.0	-	8.4	12.0	34.9	19.3	15.7	9.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	1	-	4	5	1	4	1	-	-
PERCENT	100.0	-	6.3	-	25.0	31.3	6.3	25.0	6.3	-	-
FALLON											
LIVE BIRTHS											
NUMBER	29	-	-	-	7	8	12	2	-	-	-
PERCENT	100.0	-	-	-	24.1	27.6	41.4	6.9	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	92	-	3	5	28	24	22	9	1	-	-
PERCENT	100.0	-	3.3	5.4	30.4	26.1	23.9	9.8	1.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	-	4	1	3	-	-	-	-
PERCENT	100.0	-	-	-	50.0	12.5	37.5	-	-	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	996	1	25	72	283	277	219	90	29	-	-
PERCENT	100.0	0.1	2.5	7.2	28.4	27.8	22.0	9.0	2.9	-	-
FETAL DEATHS											
NUMBER	6	-	-	-	1	3	2	-	-	-	-
PERCENT	100.0	-	-	-	16.7	50.0	33.3	-	-	-	-
INDUCED ABORTIONS											
NUMBER	207	1	12	23	77	33	34	14	12	1	-
PERCENT	100.0	0.5	5.8	11.1	37.2	15.9	16.4	6.8	5.8	0.5	-
GALLATIN											
LIVE BIRTHS											
NUMBER	927	-	15	41	192	269	258	124	25	3	-
PERCENT	100.0	-	1.6	4.4	20.7	29.0	27.8	13.4	2.7	0.3	-
FETAL DEATHS											
NUMBER	4	-	-	-	1	2	1	-	-	-	-
PERCENT	100.0	-	-	-	25.0	50.0	25.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	197	-	7	28	70	38	28	18	8	-	-
PERCENT	100.0	-	3.6	14.2	35.5	19.3	14.2	9.1	4.1	-	-
GARFIELD											
LIVE BIRTHS											
NUMBER	18	-	-	1	9	4	2	1	1	-	-
PERCENT	100.0	-	-	5.6	50.0	22.2	11.1	5.6	5.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	257	-	24	40	86	62	31	9	5	-	-
PERCENT	100.0	-	9.3	15.6	33.5	24.1	12.1	3.5	1.9	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	30	1	5	5	7	5	2	2	3	-	-
PERCENT	100.0	3.3	16.7	16.7	23.3	16.7	6.7	6.7	10.0	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	11	-	-	1	1	3	1	4	1	-	-
PERCENT	100.0	-	-	9.1	9.1	27.3	9.1	36.4	9.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100.0	-	-	-	50.0	50.0	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	15	-	-	1	2	9	3	-	-	-	-
PERCENT	100.0	-	-	6.7	13.3	60.0	20.0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	2	-	2	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
HILL											
LIVE BIRTHS											
NUMBER	261	-	16	19	74	88	44	13	7	-	-
PERCENT	100 0	-	6.1	7.3	28 4	33.7	16 9	5 0	2.7	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100 0	-	-	-	100 0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	30	-	1	7	10	8	2	1	1	-	-
PERCENT	100.0	-	3.3	23.3	33 3	26.7	6 7	3 3	3 3	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	94	-	3	10	24	22	20	14	1	-	-
PERCENT	100 0	-	3.2	10.6	25 5	23 4	21.3	14 9	1 1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	1	3	2	3	-	2	2	-	-	-
PERCENT	100 0	7 7	23 1	15 4	23 1	-	15 4	15 4	-	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	20	-	-	2	4	7	3	3	1	-	-
PERCENT	100 0	-	-	10 0	20 0	35 0	15 0	15 0	5 0	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	1	-	-	-	-	-
PERCENT	100 0	-	-	50 0	-	50 0	-	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	361	-	18	35	110	102	66	25	5	-	-
PERCENT	100 0	-	5.0	9 7	30 5	28.3	18 3	6 9	1 4	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	-	1	-	1	1	-	-
PERCENT	100 0	-	-	-	-	33 3	-	33 3	33 3	-	-
INDUCED ABORTIONS											
NUMBER	71	1	2	10	26	10	7	7	8	-	-
PERCENT	100 0	1 4	2 8	14 1	36 6	14 1	9 9	9 9	11 3	-	-
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	666	1	25	43	185	189	138	64	20	1	-
PERCENT	100 0	0.2	3 8	6.5	27 8	28 4	20 7	9 6	3 0	0 2	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100 0	-	-	-	100 0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	110	-	20	15	33	18	14	7	3	-	-
PERCENT	100 0	-	18 2	13 6	30 0	16 4	12 7	6 4	2 7	-	-
LIBERTY											
LIVE BIRTHS											
NUMBER	9	-	-	1	1	2	3	1	1	-	-
PERCENT	100 0	-	-	11 1	11 1	22 2	33.3	11 1	11.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	196	-	7	27	58	54	36	10	3	1	-
PERCENT	100.0	-	3 6	13.8	29.6	27 6	18 4	5.1	1.5	0.5	-
FETAL DEATHS											
NUMBER	1	-	-	1	-	-	-	-	-	-	-
PERCENT	100 0	-	-	100.0	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	24	-	3	4	7	3	3	4	-	-	-
PERCENT	100 0	-	12.5	16.7	29 2	12 5	12.5	16.7	-	-	-

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\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
MCCONE											
LIVE BIRTHS											
NUMBER	12	-	-	-	1	7	2	1	1	-	-
PERCENT	100 0	-	-	-	8.3	58 3	16.7	8.3	8.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100 0	-	-	-	-	-	100 0	-	-	-	-
MADISON											
LIVE BIRTHS											
NUMBER	42	-	-	2	12	9	11	3	5	-	-
PERCENT	100 0	-	-	4 8	28 6	21 4	26.2	7.1	11 9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	1	1	5	-	-	3	-	-	-
PERCENT	100 0	-	10 0	10 0	50 0	-	-	30 0	-	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	22	-	-	3	6	5	2	5	1	-	-
PERCENT	100.0	-	-	13 6	27 3	22.7	9.1	22.7	4 5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	1	-	2	-	-	-	-
PERCENT	100 0	-	-	-	33 3	-	66 7	-	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	37	-	1	4	14	6	10	2	-	-	-
PERCENT	100 0	-	2 7	10 8	37.8	16.2	27.0	5 4	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	-	-	2	2	-	-	-	-
PERCENT	100 0	-	20 0	-	-	40 0	40 0	-	-	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,118	-	28	66	305	296	286	117	19	1	-
PERCENT	100 0	-	2 5	5 9	27.3	26.5	25 6	10 5	1.7	0.1	-
FETAL DEATHS											
NUMBER	5	-	-	-	2	2	1	-	-	-	-
PERCENT	100.0	-	-	-	40.0	40.0	20.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	403	2	30	57	156	81	44	24	8	1	-
PERCENT	100 0	0 5	7 4	14 1	38 7	20 1	10 9	6.0	2.0	0 2	-
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	48	-	1	4	13	8	14	6	2	-	-
PERCENT	100 0	-	2 1	8 3	27.1	16 7	29 2	12.5	4 2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	1	-	1	2	-	4	1	1	-	-
PERCENT	100 0	10 0	-	10 0	20.0	-	40.0	10.0	10 0	-	-
PARK											
LIVE BIRTHS											
NUMBER	147	-	4	12	35	48	31	8	7	2	-
PERCENT	100.0	-	2.7	8 2	23.8	32 7	21.1	5.4	4 8	1 4	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	26	-	3	4	10	2	5	1	1	-	-
PERCENT	100 0	-	11.5	15 4	38.5	7.7	19.2	3.8	3.8	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
PETROLEUM											
LIVE BIRTHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100 0	-	-	-	-	-	100 0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	36	-	-	2	13	10	5	3	3	-	-
PERCENT	100 0	-	-	5.6	36.1	27 8	13 9	8 3	8.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100 0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	1	2	1	1	-	-	-	-
PERCENT	100 0	-	-	20 0	40 0	20 0	20 0	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	78	-	3	8	22	22	15	5	3	-	-
PERCENT	100 0	-	3 8	10 3	28.2	28 2	19 2	6 4	3 8	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100 0	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	1	1	1	1	-	1	-	-	-
PERCENT	100 0	-	20 0	20 0	20 0	20 0	-	20 0	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	13	-	-	1	5	7	-	-	-	-	-
PERCENT	100 0	-	-	7.7	38 5	53 8	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100 0	-	-	-	-	-	-	100 0	-	-	-
POWELL											
LIVE BIRTHS											
NUMBER	47	-	2	3	14	17	10	1	-	-	-
PERCENT	100 0	-	4 3	6 4	29.8	36 2	21.3	2 1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	2	-	2	2	-	-	-	-	-
PERCENT	100 0	-	33 3	-	33 3	33 3	-	-	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	5	-	-	-	2	1	2	-	-	-	-
PERCENT	100 0	-	-	-	40 0	20 0	40 0	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	411	-	11	28	119	114	82	48	9	-	-
PERCENT	100 0	-	2 7	6 8	29 0	27 7	20 0	11.7	2 2	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	-	1	1	1	-	-	-
PERCENT	100 0	-	-	-	-	33 3	33.3	33 3	-	-	-
INDUCED ABORTIONS											
NUMBER	56	1	9	2	7	15	9	10	3	-	-
PERCENT	100 0	1 8	16.1	3 6	12 5	26.8	16 1	17 9	5.4	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
RICHLAND											
LIVE BIRTHS											
NUMBER	93	-	3	6	28	29	19	8	-	-	-
PERCENT	100.0	-	3.2	6.5	30.1	31.2	20.4	8.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	7	-	-	1	3	1	-	2	-	-	-
PERCENT	100.0	-	-	14.3	42.9	14.3	-	28.6	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	219	-	14	38	71	52	28	13	3	-	-
PERCENT	100.0	-	6.4	17.4	32.4	23.7	12.8	5.9	1.4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	30	-	3	2	14	6	2	3	-	-	-
PERCENT	100.0	-	10.0	6.7	46.7	20.0	6.7	10.0	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	173	1	13	19	39	48	30	19	4	-	-
PERCENT	100.0	0.6	7.5	11.0	22.5	27.7	17.3	11.0	2.3	-	-
FETAL DEATHS											
NUMBER	4	-	-	1	2	1	-	-	-	-	-
PERCENT	100.0	-	-	25.0	50.0	25.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	16	-	-	2	7	4	3	-	-	-	-
PERCENT	100.0	-	-	12.5	43.8	25.0	18.8	-	-	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	99	-	3	15	30	28	18	3	1	-	1
PERCENT	100.0	-	3.0	15.2	30.3	28.3	18.2	3.0	1.0	-	1.0
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	1	2	4	-	3	3	2	-	-
PERCENT	100.0	-	6.7	13.3	26.7	-	20.0	20.0	13.3	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	18	-	1	2	4	7	4	-	-	-	-
PERCENT	100.0	-	5.6	11.1	22.2	38.9	22.2	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	2	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	368	-	17	40	105	84	75	43	4	-	-
PERCENT	100.0	-	4.6	10.9	28.5	22.8	20.4	11.7	1.1	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	-	-	1	-	-
PERCENT	100.0	-	-	-	50.0	-	-	-	50.0	-	-
INDUCED ABORTIONS											
NUMBER	58	-	3	7	19	11	8	6	4	-	-
PERCENT	100.0	-	5.2	12.1	32.8	19.0	13.8	10.3	6.9	-	-
STILLWATER											
LIVE BIRTHS											
NUMBER	76	-	-	4	18	18	23	8	5	-	-
PERCENT	100.0	-	-	5.3	23.7	23.7	30.3	10.5	6.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	-	3	4	2	-	2	1	-	-
PERCENT	100.0	-	-	25.0	33.3	16.7	-	16.7	8.3	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
SWEET GRASS											
LIVE BIRTHS											
NUMBER	37	-	-	5	10	8	10	2	2	-	-
PERCENT	100 0	-	-	13 5	27 0	21 6	27 0	5 4	5 4	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	1	1	4	1	-	1	-	-	-
PERCENT	100 0	-	12 5	12 5	50 0	12 5	-	12.5	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	60	-	-	1	15	22	14	7	1	-	-
PERCENT	100 0	-	-	1.7	25 0	36.7	23.3	11.7	1.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	-	-	3	-	2	1	-	-	-
PERCENT	100.0	-	-	-	50.0	-	33.3	16.7	-	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	38	-	3	4	11	8	9	2	1	-	-
PERCENT	100.0	-	7 9	10.5	28 9	21 1	23 7	5 3	2 6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	9	-	3	2	2	1	1	-	-	-	-
PERCENT	100.0	-	33 3	22 2	22 2	11 1	11 1	-	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100 0	-	-	-	50.0	50.0	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	81	-	1	8	22	23	18	7	2	-	-
PERCENT	100.0	-	1.2	9.9	27 2	28 4	22.2	8 6	2.5	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	-	-	6	-	-	2	-	-	-
PERCENT	100 0	-	-	-	75 0	-	-	25 0	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	23	-	-	1	6	8	4	3	1	-	-
PERCENT	100.0	-	-	4 3	26.1	34.8	17.4	13.0	4.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	6	-	-	-	1	-	2	3	-	-	-
PERCENT	100 0	-	-	-	16.7	-	33.3	50 0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100 0	-	-	-	-	-	-	100.0	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE S-8 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N S +
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,767	3	53	127	515	519	370	149	29	1	1
PERCENT	100.0	0.2	3.0	7.2	29.1	29.4	20.9	8 4	1.6	0.1	0.1
FETAL DEATHS											
NUMBER	6	-	-	-	3	-	2	1	-	-	-
PERCENT	100.0	-	-	-	50.0	-	33 3	16 7	-	-	-
INDUCED ABORTIONS											
NUMBER	363	3	31	45	118	89	44	24	9	-	-
PERCENT	100.0	0 8	8 5	12 4	32 5	24 5	12 1	6 6	2.5	-	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	3	-	4	2	2	1	-	-	-
PERCENT	100 0	-	25.0	-	33.3	16.7	16.7	8 3	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

\+ NOT STATED.

\- FREQUENCY IS ZERO.

TABLE P-1

STATE POPULATION BY COUNTY
MONTANA, 2002, 2000 AND 1990

COUNTY	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS ENUMERATION	1990 U.S. CENSUS ENUMERATION
MONTANA, TOTAL	909,453	905,382	902,195	799,065
BEAVERHEAD	9,009	9,095	9,202	8,424
BIG HORN	12,886	12,856	12,671	11,337
BLAINE	6,895	6,849	7,009	6,728
BROADWATER	4,366	4,394	4,385	3,318
CARBON	9,675	9,644	9,552	8,080
CARTER	1,343	1,354	1,360	1,503
CASCADE	79,389	79,644	80,357	77,691
CHOUTEAU	5,566	5,751	5,970	5,452
CUSTER	11,341	11,417	11,696	11,697
DANIELS	1,967	2,023	2,017	2,266
DAWSON	8,713	8,906	9,059	9,505
DEER LODGE	9,069	9,212	9,417	10,278
FALLON	2,715	2,743	2,837	3,103
FERGUS	11,678	11,761	11,893	12,083
FLATHEAD	77,240	75,983	74,471	59,218
GALLATIN	71,206	69,847	67,831	50,463
GARFIELD	1,230	1,250	1,279	1,589
GLACIER	13,106	13,085	13,247	12,121
GOLDEN VALLEY	1,063	1,013	1,042	912
GRANITE	2,863	2,871	2,830	2,548
HILL	16,372	16,552	16,673	17,654
JEFFERSON	10,424	10,223	10,049	7,939
JUDITH BASIN	2,273	2,285	2,329	2,282
LAKE	26,908	26,853	26,507	21,041
LEWIS & CLARK	56,554	56,281	55,716	47,495
LIBERTY	2,037	2,110	2,158	2,295
LINCOLN	18,665	18,691	18,837	17,481
MCCONE	1,827	1,889	1,977	2,276
MADISON	7,005	6,924	6,851	5,989
MEAGHER	1,941	1,951	1,932	1,819
MINERAL	3,803	3,838	3,884	3,315
MISSOULA	98,102	96,760	95,802	78,687
MUSSELSHELL	4,410	4,428	4,497	4,106
PARK	15,767	15,693	15,694	14,562
PETROLEUM	500	489	493	519
PHILLIPS	4,321	4,422	4,601	5,163
PONDERA	6,232	6,346	6,424	6,433
POWDER RIVER	1,829	1,818	1,858	2,090
POWELL	7,045	7,073	7,180	6,620
PRAIRIE	1,190	1,208	1,199	1,383
RAVALLI	37,868	36,982	36,070	25,010
RICHLAND	9,265	9,448	9,667	10,716
ROOSEVELT	10,494	10,617	10,620	10,999
ROSEBUD	9,273	9,275	9,383	10,505
SANDERS	10,367	10,399	10,227	8,669
SHERIDAN	3,798	3,935	4,105	4,732
SILVER BOW	33,403	33,759	34,606	33,941
STILLWATER	8,420	8,374	8,195	6,536
SWEET GRASS	3,623	3,610	3,609	3,154
TETON	6,315	6,396	6,445	6,271
TOOLE	5,103	5,186	5,267	5,046
TREASURE	785	816	861	874
VALLEY	7,382	7,516	7,675	8,239
WHEATLAND	2,164	2,162	2,259	2,246
WIBAUX	1,046	1,039	1,068	1,191
YELLOWSTONE	131,622	130,336	129,352	113,419
YELLOWSTONE PARK *	NA	NA	NA	52

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER.

* THE CENSUS BUREAU NO LONGER PROVIDES AN ESTIMATE OF THE POPULATION OF YELLOWSTONE NATIONAL PARK. THOSE LIVING WITHIN THE BOUNDARIES OF THE PARK ARE NOW REPORTED AS RESIDENTS OF EITHER GALLATIN OR PARK COUNTY, EFFECTIVE AS OF 1997.

TABLE B-1

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX, LEGITIMACY, PLURALITY, AND PARITY MONTANA RESIDENTS, 1998 - 2002

ITEM	2002		2001		2000		1999		1998	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	11,045	100.0	10,947	100.0	10,946	100.0	10,779	100.0	10,791	100.0
SEX										
MALE	5,616	50.8	5,575	50.9	5,576	50.9	5,592	51.9	5,526	51.2
FEMALE	5,429	49.2	5,371	49.1	5,370	49.1	5,187	48.1	5,265	48.8
UNKNOWN	-	-	1	0.0	-	-	-	-	-	-
LEGITIMACY										
IN WEDLOCK	7,415	67.1	7,509	68.6	7,563	69.1	7,546	70	7,549	70
OUT OF WEDLOCK	3,624	32.8	3,429	31.3	3,374	30.8	3,224	29.9	3,230	29.9
NOT STATED	6	0.1	9	0.1	9	0.1	9	0.1	12	0.1
MULTIPLE BIRTHS										
SINGLE	10,718	97.0	10,616	97.0	10,639	97.2	10,490	97.3	10,502	97.3
TWINS	317	2.9	299	2.7	294	2.7	271	2.5	272	2.5
TRIPLETS OR MORE	9	0.1	30	0.3	13	0.1	15	0.1	16	0.1
NOT STATED	1	0.0	2	0.0	-	-	3	0.0	1	0.0
PARITY										
FIRST BIRTH	4,313	39.0	4,162	38.0	4,262	38.9	4,216	39.1	4,217	39.1
SECOND BIRTH	3,556	32.2	3,470	31.7	3,515	32.1	3,524	32.7	3,454	32
THIRD BIRTH	1,878	17.0	1,908	17.4	1,875	17.1	1,818	16.9	1,817	16.8
FOURTH BIRTH	763	6.9	792	7.2	766	7.0	705	6.5	773	7.2
FIFTH BIRTH	296	2.7	331	3.0	296	2.7	276	2.6	297	2.8
SIXTH BIRTH	120	1.1	128	1.2	133	1.2	117	1.1	112	1
SEVENTH BIRTH	55	0.5	65	0.6	45	0.4	59	0.5	61	0.6
EIGHTH BIRTH	32	0.3	43	0.4	20	0.2	27	0.3	22	0.2
NINTH OR MORE	29	0.3	44	0.4	29	0.3	32	0.3	34	0.3
NOT STATED	3	0.0	4	0.0	5	0.0	5	0.0	4	0.0

*** EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.**

TABLE B-2

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT AND BY COUNTY OF OCCURRENCE
MONTANA, 2002

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,019	10,763	97.7%	3	0.0%	253	2 3%
BEAVERHEAD	85	83	97 6%	-	-	2	2 4%
BIG HORN	254	252	99 2%	-	-	2	0 8%
BLAINE	1	-	-	1	100.0%	-	-
BROADWATER	1	-	-	-	-	1	100.0%
CARBON	29	29	100.0%	-	-	-	-
CARTER	-	-	-	-	-	-	-
CASCADE	1,382	1,370	99 1%	-	-	12	0 9%
CHOUTEAU	4	-	-	-	-	4	100 0%
CUSTER	222	222	100.0%	-	-	-	-
DANIELS	-	-	-	-	-	-	-
DAWSON	61	61	100 0%	-	-	-	-
DEER LODGE	39	39	100.0%	-	-	-	-
FALLON	5	5	100 0%	-	-	-	-
FERGUS	99	99	100.0%	-	-	-	-
FLATHEAD	1,067	1,031	96 6%	-	-	36	3 4%
GALLATIN	941	891	94 7%	-	-	50	5.3%
GARFIELD	-	-	-	-	-	-	-
GLACIER	224	224	100 0%	-	-	-	0 0%
GOLDEN VALLEY	-	-	-	-	-	-	-
GRANITE	-	-	-	-	-	-	-
HILL	329	329	100 0%	-	-	-	0.0%
JEFFERSON	1	-	-	-	-	1	100 0%
JUDITH BASIN	1	-	-	-	-	1	-
LAKE	266	254	95.5%	-	-	12	4.5%
LEWIS & CLARK	719	716	99 6%	-	-	3	0.4%
LIBERTY	13	13	100.0%	-	-	-	-
LINCOLN	96	86	89 6%	-	-	10	10.4%
MCCONE	1	-	-	-	-	1	100.0%
MADISON	3	-	-	-	-	3	100 0%
MEAGHER	-	-	-	-	-	-	-
MINERAL	1	-	-	-	-	1	100.0%
MISSOULA	1,578	1,556	98 6%	-	-	22	1 4%
MUSSELSHELL	2	1	50.0%	-	-	1	-
PARK	151	119	78 8%	-	-	32	21 2%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	1	1	100.0%	-	-	-	-
PONDERA	19	19	100 0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	19	19	100.0%	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	205	171	83 4%	-	-	34	16 6%
RICHLAND	161	160	99 4%	-	-	1	0.6%
ROOSEVELT	85	85	100 0%	-	-	-	-
ROSEBUD	4	2	50.0%	2	50.0%	-	-
SANDERS	43	39	90 7%	-	-	4	9.3%
SHERIDAN	14	14	100.0%	-	-	-	-
SILVER BOW	450	447	99.3%	-	-	3	0.7%
STILLWATER	3	-	-	-	-	3	100.0%
SWEET GRASS	-	-	-	-	-	-	-
TETON	1	-	-	-	-	1	100.0%
TOOLE	48	48	100.0%	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	131	131	100 0%	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,260	2,247	99 4%	-	-	13	0 6%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-

* BORN ON ARRIVAL

TABLE 8-3

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,045	65	0.6	60	0.5	633	5.7	9,299	84.2	984	8.9	4	-
BEAVERHEAD	93	-	-	1	1.1	10	10.8	77	82.8	5	5.4	-	-
BIG HORN	253	1	0.4	2	0.8	16	6.3	200	79.1	34	13.4	-	-
BLAINE	91	-	-	-	-	5	5.5	74	81.3	12	13.2	-	-
BROADWATER	43	-	-	1	2.3	2	4.7	38	88.4	2	4.7	-	-
CARBON	87	-	-	-	-	3	3.4	81	93.1	3	3.4	-	-
CARTER	8	-	-	-	-	-	-	7	87.5	1	12.5	-	-
CASCADE	1,082	8	0.7	6	0.6	68	6.3	911	84.2	89	8.2	-	-
CHOUTEAU	53	-	-	-	-	5	9.4	44	83.0	4	7.5	-	-
CUSTER	133	-	-	1	0.8	8	6.0	120	90.2	4	3.0	-	-
DANIELS	11	-	-	-	-	-	-	10	90.9	1	9.1	-	-
DAWSON	79	-	-	1	1.3	2	2.5	72	91.1	4	5.1	-	-
DEER LODGE	83	1	1.2	-	-	7	8.4	70	84.3	5	6.0	-	-
FALLON	29	1	3.4	-	-	3	10.3	23	79.3	2	6.9	-	-
FERGUS	92	1	1.1	-	-	5	5.4	82	89.1	4	4.3	-	-
FLATHEAD	996	3	0.3	8	0.8	59	5.9	833	83.6	92	9.2	1	0.1
GALLATIN	927	4	0.4	5	0.5	47	5.1	790	85.2	81	8.7	-	-
GARFIELD	18	-	-	-	-	-	-	17	94.4	1	5.6	-	-
GLACIER	257	1	0.4	2	0.8	11	4.3	210	81.7	32	12.5	1	0.4
GOLDEN VALLEY	11	-	-	-	-	1	9.1	10	90.9	-	-	-	-
GRANITE	15	-	-	-	-	1	6.7	13	86.7	1	6.7	-	-
HILL	261	-	-	-	-	16	6.1	225	86.2	20	7.7	-	-
JEFFERSON	94	-	-	-	-	6	6.4	77	81.9	11	11.7	-	-
JUDITH BASIN	20	-	-	-	-	-	-	15	75.0	5	25.0	-	-
LAKE	361	3	0.8	3	0.8	25	6.9	297	82.3	33	9.1	-	-
LEWIS & CLARK	666	9	1.4	4	0.6	54	8.1	546	82.0	53	8.0	-	-
LIBERTY	9	-	-	-	-	1	11.1	7	77.8	1	11.1	-	-
LINCOLN	196	2	1.0	2	1.0	6	3.1	160	81.6	25	12.8	1	0.5
MCCONE	12	-	-	-	-	-	-	12	100.0	-	-	-	-
MADISON	42	-	-	-	-	-	-	38	90.5	4	9.5	-	-
MEAGHER	22	-	-	-	-	3	13.6	14	63.6	5	22.7	-	-
MINERAL	37	-	-	-	-	-	-	34	91.9	3	8.1	-	-
MISSOULA	1,118	10	0.9	5	0.4	51	4.6	962	86.0	90	8.1	-	-
MUSSELSHELL	48	-	-	1	2.1	4	8.3	40	83.3	3	6.3	-	-
PARK	147	-	-	-	-	7	4.8	126	85.7	13	8.8	1	0.7
PETROLEUM	1	-	-	-	-	1	100.0	-	-	-	-	-	-
PHILLIPS	36	1	2.8	-	-	-	-	29	80.6	6	16.7	-	-
PONDERA	78	-	-	-	-	3	3.8	66	84.6	9	11.5	-	-
POWDER RIVER	13	-	-	-	-	1	7.7	12	92.3	-	-	-	-
POWELL	47	-	-	-	-	4	8.5	39	83.0	4	8.5	-	-
PRAIRIE	5	-	-	-	-	-	-	4	80.0	1	20.0	-	-
RAVALLI	411	1	0.2	1	0.2	19	4.6	356	86.6	34	8.3	-	-
RICHLAND	93	-	-	-	-	2	2.2	83	89.2	8	8.6	-	-
ROOSEVELT	219	3	1.4	2	0.9	10	4.6	176	80.4	28	12.8	-	-
ROSEBUD	173	1	0.6	2	1.2	15	8.7	138	79.8	17	9.8	-	-
SANDERS	99	4	4.0	-	-	4	4.0	81	81.8	10	10.1	-	-
SHERIDAN	18	-	-	-	-	-	-	13	72.2	5	27.8	-	-
SILVER BOW	368	2	0.5	3	0.8	19	5.2	322	87.5	22	6.0	-	-
STILLWATER	76	-	-	-	-	3	3.9	65	85.5	8	10.5	-	-
SWEET GRASS	37	-	-	-	-	4	10.8	28	75.7	5	13.5	-	-
TETON	60	-	-	-	-	2	3.3	55	91.7	3	5.0	-	-
TOOLE	38	-	-	-	-	2	5.3	33	86.8	3	7.9	-	-
TREASURE	2	-	-	-	-	-	-	2	100.0	-	-	-	-
VALLEY	81	2	2.5	-	-	4	4.9	64	79.0	11	13.6	-	-
WHEATLAND	23	-	-	-	-	-	-	21	91.3	2	8.7	-	-
WIBAUX	6	-	-	-	-	1	16.7	5	83.3	-	-	-	-
YELLOWSTONE	1,767	7	0.4	10	0.6	113	6.4	1,472	83.3	165	9.3	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT
HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-4

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY OF RESIDENCE	TOTAL NUMBER	PRE-TERM						TERM				POST-TERM		NOT STATED	
		20 OR FEWER WEEKS		20-31 WEEKS		32-36 WEEKS		37-39 WEEKS		40-41 WEEKS		42 OR MORE WEEKS			
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	11,045	63	0.6	94	0.9	869	7.9	5,750	52.1	4,143	37.5	105	1	21	0.2
BEAVERHEAD	93	-	-	1	1.1	8	8.5	47	50.5	37	39.8	2	2.2	-	-
BIG HORN	253	-	-	1	0.4	20	7.9	110	43.5	118	46.6	4	1.6	-	-
BLAINE	91	-	-	-	-	5	5.5	58	63.7	27	29.7	-	-	1	1.1
BROADWATER	43	-	-	2	4.7	6	14.0	24	55.8	10	23.3	1	2.3	-	-
CARBON	87	-	-	-	-	8	8.9	52	59.8	29	33.3	-	-	-	-
CARTER	8	-	-	-	-	-	-	6	75.0	2	25.0	-	-	-	-
CASCADE	1,092	7	0.6	12	1.1	80	7.4	603	55.7	374	34.8	6	0.6	-	-
CHOUTEAU	53	-	-	-	-	10	18.9	24	45.3	18	34.0	-	-	1	1.9
CUSTER	133	-	-	1	0.9	18	13.5	87	50.4	46	34.6	1	0.9	-	-
DANIELS	11	-	-	-	-	-	-	2	18.2	8	72.7	1	9.1	-	-
DAWSON	79	-	-	1	1.3	6	7.6	45	57.0	23	29.1	4	5.1	-	-
DEER LODGE	83	1	1.2	1	1.2	5	6.0	40	48.2	34	41.0	1	1.2	1	1.2
FALLON	29	1	3.4	-	-	1	3.4	15	51.7	12	41.4	-	-	-	-
FERGUS	92	-	-	1	1.1	7	7.6	52	56.5	31	33.7	1	1.1	-	-
FLATHEAD	996	4	0.4	11	1.1	58	5.6	458	46.0	452	45.4	10	1.0	5	0.5
GALLATIN	927	4	0.4	6	0.6	68	7.3	478	51.7	353	38.1	16	1.7	1	0.1
GARFIELD	18	-	-	-	-	1	5.6	10	55.6	7	38.9	-	-	-	-
GLACIER	257	3	1.2	1	0.4	25	9.7	105	40.9	117	45.5	4	1.6	2	0.8
GOLDEN VALLEY	11	-	-	-	-	-	-	10	90.9	1	9.1	-	-	-	-
GRANITE	15	-	-	-	-	1	6.7	10	66.7	4	26.7	-	-	-	-
HILL	261	-	-	2	0.8	24	9.2	159	60.5	76	29.1	1	0.4	-	-
JEFFERSON	94	-	-	1	1.1	11	11.7	48	48.8	36	38.3	-	-	-	-
JUDITH BASIN	20	-	-	-	-	1	5.0	13	65.0	6	30.0	-	-	-	-
LAKE	361	4	1.1	2	0.6	37	10.2	183	53.5	122	33.8	3	0.8	-	-
LEWIS & CLARK	666	8	1.2	5	0.8	76	11.4	323	48.5	244	36.6	10	1.5	-	-
LIBERTY	9	-	-	-	-	-	-	6	66.7	3	33.3	-	-	-	-
LINCOLN	196	2	1.0	2	1.0	14	7.1	88	44.9	84	42.9	3	1.5	3	1.5
MCCONE	12	-	-	-	-	-	-	8	66.7	4	33.3	-	-	-	-
MADISON	42	-	-	-	-	1	2.4	25	59.5	16	39.1	-	-	-	-
MEAGHER	22	-	-	-	-	4	18.2	14	63.6	3	13.6	1	4.5	-	-
MINERAL	37	-	-	-	-	3	8.1	20	54.1	14	37.8	-	-	-	-
MISSOULA	1,116	10	0.9	9	0.8	79	7.1	607	54.3	405	36.2	8	0.5	2	0.2
MUSSELSHELL	48	-	-	2	4.2	4	8.3	25	52.1	17	35.4	-	-	-	-
PARK	147	-	-	-	-	14	9.5	65	44.2	66	44.9	2	1.4	-	-
PETROLEUM	1	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-
PHILLIPS	36	-	-	-	-	2	5.6	22	61.1	12	33.3	-	-	-	-
PONDERA	76	-	-	-	-	7	9.0	41	52.6	28	37.2	1	1.3	-	-
POWDER RIVER	13	-	-	-	-	2	15.4	10	76.9	1	7.7	-	-	-	-
POWELL	47	-	-	1	2.1	4	8.5	27	57.4	15	31.9	-	-	-	-
PRAIRIE	5	-	-	-	-	1	20.0	3	60.0	1	20.0	-	-	-	-
RAVALLI	411	1	0.2	3	0.7	33	8.0	244	59.4	123	29.9	7	1.7	-	-
RICHLAND	93	-	-	-	-	7	7.5	59	63.4	27	29.0	-	-	-	-
ROOSEVELT	219	3	1.4	3	1.4	18	8.2	109	49.8	81	37.0	5	2.3	-	-
ROSEBUD	173	1	0.6	3	1.7	23	13.3	82	47.4	62	35.8	1	0.6	1	0.6
SANDERS	99	4	4.0	-	-	3	3.0	45	45.5	46	46.5	-	-	1	1.0
SHERIDAN	18	-	-	-	-	-	-	5	27.8	12	66.7	-	-	1	5.6
SILVER BOW	368	-	-	6	1.6	20	5.4	143	38.8	194	52.7	5	1.4	-	-
STILLWATER	76	-	-	-	-	4	5.3	37	48.7	35	46.1	-	-	-	-
SWEET GRASS	37	-	-	1	2.7	4	10.8	16	43.2	16	43.2	-	-	-	-
TETON	60	-	-	-	-	4	6.7	29	48.3	27	45.0	-	-	-	-
TOOLE	38	-	-	-	-	5	13.2	15	39.5	16	42.1	2	5.3	-	-
TREASURE	2	-	-	-	-	1	50.0	1	50.0	-	-	-	-	-	-
VALLEY	81	2	2.5	-	-	6	7.4	41	50.6	32	39.5	-	-	-	-
WHEATLAND	23	-	-	-	-	1	4.3	14	60.9	8	34.8	-	-	-	-
WIBAUX	6	-	-	-	-	1	16.7	4	66.7	1	16.7	-	-	-	-
YELLOWSTONE	1,767	9	0.5	16	0.9	134	7.6	994	56.3	606	34.3	7	0.4	2	0.1
YELLOWSTONE PAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERING IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND BY YEARS OF EDUCATION OF MOTHER
MONTANA, 2002

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE-BORN CHILDREN											
	TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL												
NUMBER	10,887	4,251	3,510	1,843	753	293	120	55	32	10	19	1
PERCENT	100	39 0	32.2	16.9	6.9	2.7	1.1	0 5	0.3	0 1	0 2	0 0
NONE												
NUMBER	2	-	1	1	-	-	-	-	-	-	-	-
PERCENT	100	-	50.0	50.0	-	-	-	-	-	-	-	-
LESS THAN 8 YEARS												
NUMBER	30	13	7	5	3	-	2	-	-	-	-	-
PERCENT	100	43 3	23 3	16 7	10 0	-	6.7	-	-	-	-	-
8 YEARS												
NUMBER	219	78	45	38	27	12	11	6	1	1	-	-
PERCENT	100	35.6	20.5	17.4	12.3	5.5	5.0	2.7	0.5	0.5	-	-
9 YEARS												
NUMBER	306	133	76	51	20	12	8	3	-	2	1	-
PERCENT	100	43.5	24 8	16.7	6.5	3.9	2.6	1.0	-	0.7	0.3	-
10 YEARS												
NUMBER	471	218	116	75	33	21	2	4	1	-	1	-
PERCENT	100	46.3	24.6	15.9	7.0	4 5	0 4	0.8	0.2	-	0.2	-
11 YEARS												
NUMBER	595	276	159	97	36	13	9	1	3	1	-	-
PERCENT	100	46.4	26.7	16.3	6.1	2.2	1 5	0 2	0 5	0.2	-	-
12 YEARS												
NUMBER	3,672	1,421	1,132	643	274	113	43	17	15	1	13	-
PERCENT	100	38.7	30.8	17.5	7.5	3 1	1.2	0.5	0.4	-	0 4	-
1 YR COLLEGE												
NUMBER	1,076	381	375	174	93	26	19	5	1	2	-	-
PERCENT	100	35.4	34 9	16 2	8 6	2 4	1.8	0.5	0.1	0.2	-	-
2 YRS COLLEGE												
NUMBER	1,179	403	411	219	83	36	11	8	5	1	2	-
PERCENT	100	34 2	34 9	18.6	7.0	3.1	0.9	0.7	0.4	0.1	0.2	-
3 YRS COLLEGE												
NUMBER	540	209	177	103	34	9	3	3	-	2	-	-
PERCENT	100	38 7	32.8	19 1	6.3	1 7	0 6	0 6	-	0 4	-	-
4 YRS COLLEGE												
NUMBER	1,718	668	607	293	96	35	8	6	5	-	-	-
PERCENT	100	38.9	35.3	17.1	5 6	2 0	0.5	0.3	0.3	-	-	-
POST GRADUATE												
NUMBER	1,049	442	396	139	50	15	4	1	-	-	2	-
PERCENT	100	42.1	37 8	13.3	4.8	1.4	0.4	0 1	-	-	0.2	-
NOT STATED												
NUMBER	30	9	8	5	4	1	-	1	1	-	-	1
PERCENT	100	30.0	26.7	16.7	13 3	3.3	-	3 3	3.3	-	-	3.3

TABLE B-6

FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL HEALTHCARE BEGAN
AND BY COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA, TOTAL	11,045	1,300	5,023	2,867	858	397	232	127	80	35	61	65
BEAVERHEAD	93	3	40	27	12	6	1	1	-	-	1	2
BIG HORN	253	37	87	64	19	15	11	7	5	5	3	-
BLAINE	91	4	32	26	13	3	7	2	3	-	1	-
BROADWATER	43	12	20	6	2	-	2	-	-	-	1	-
CARBON	87	10	41	24	10	-	-	1	-	1	-	-
CARTER	8	-	2	3	3	-	-	-	-	-	-	-
CASCADE	1,082	238	466	259	53	29	15	6	2	3	3	8
CHOUTEAU	53	5	23	18	2	2	-	1	1	-	-	1
CUSTER	133	-	54	50	12	11	1	3	1	1	-	-
DANIELS	11	3	7	1	-	-	-	-	-	-	-	-
DAWSON	79	15	31	24	4	3	1	-	1	-	-	-
DEER LODGE	83	5	43	18	13	2	-	2	-	-	-	-
FALLON	29	2	11	12	2	1	1	-	-	-	-	-
FERGUS	92	6	30	40	10	5	1	-	-	-	-	-
FLATHEAD	996	96	416	309	98	39	15	12	2	3	5	1
GALLATIN	927	40	452	335	60	20	5	5	6	1	-	3
GARFIELD	18	1	10	5	-	2	-	-	-	-	-	-
GLACIER	257	48	64	63	28	15	13	6	6	3	8	3
GOLDEN VALLEY	11	-	9	1	-	-	1	-	-	-	-	-
GRANITE	15	1	4	9	1	-	-	-	-	-	-	-
HILL	261	22	89	64	38	13	17	5	7	3	3	-
JEFFERSON	94	9	47	25	4	2	4	1	2	-	-	-
JUDITH BASIN	20	2	3	8	5	1	-	1	-	-	-	-
LAKE	361	35	168	84	38	18	7	3	2	2	1	3
LEWIS & CLARK	666	163	368	92	21	8	8	2	1	-	3	-
LIBERTY	9	1	2	4	1	-	-	1	-	-	-	-
LINCOLN	196	23	53	66	28	12	3	5	2	-	-	4
MCCONE	12	-	10	1	-	1	-	-	-	-	-	-
MADISON	42	-	17	13	4	1	4	1	1	-	-	1
MEAGHER	22	4	6	9	2	1	-	-	-	-	-	-
MINERAL	37	3	18	11	3	-	1	1	-	-	-	-
MISSOULA	1,118	70	532	323	100	33	23	9	4	3	4	17
MUSSELSHELL	48	9	14	14	3	4	1	-	2	-	1	-
PARK	147	5	74	48	4	5	2	3	1	-	2	3
PETROLEUM	1	-	-	-	1	-	-	-	-	-	-	-
PHILLIPS	36	5	11	11	1	4	2	1	-	-	1	-
PONDERA	78	15	30	19	4	3	2	4	-	-	-	1
POWDER RIVER	13	1	4	6	-	1	-	1	-	-	-	-
POWELL	47	5	24	10	3	-	2	-	-	-	1	2
PRAIRIE	5	-	1	4	-	-	-	-	-	-	-	-
RAVALLI	411	44	187	129	19	15	8	1	1	-	1	6
RICHLAND	93	18	47	12	6	2	3	1	1	-	-	3
ROOSEVELT	219	29	86	45	23	13	10	4	3	-	5	1
ROSEBUD	173	20	63	33	13	11	15	4	8	1	4	1
SANDERS	99	3	31	40	13	7	1	3	-	-	1	-
SHERIDAN	18	3	11	3	1	-	-	-	-	-	-	-
SILVER BOW	368	10	211	84	30	16	4	5	3	-	3	2
STILLWATER	76	16	36	15	5	1	1	-	-	-	2	-
SWEET GRASS	37	2	21	8	3	1	1	-	-	-	1	-
TETON	60	11	17	25	1	2	1	-	1	-	1	1
TOOLE	38	7	14	7	3	2	-	2	1	-	1	1
TREASURE	2	-	1	1	-	-	-	-	-	-	-	-
VALLEY	81	17	40	10	10	3	1	-	-	-	-	-
WHEATLAND	23	1	3	8	6	3	1	-	1	-	-	-
WIBAUX	6	1	2	3	-	-	-	-	-	-	-	-
YELLOWSTONE	1,767	220	940	338	123	61	36	23	12	9	4	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT
HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE D-1

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	**8,473**	**4,173**	**4,300**	**39**	**42**	**5**	**2**	**3**	**5**	**7**	**4**	**7**	**4**
CERTAIN INFECTIOUS AND PARASITIC DISEASES	**111**	**61**	**50**	**2**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
__INTESTINAL INFECTIOUS DISEASES	4	3	1	-	-	-	-	-	-	-	-	-	-
____OTHER INTESTINAL INFECTIOUS DISEASES	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS OUE TO OTHER SPECIFIED ORGANISMS	4	3	1	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	69	31	38	-	-	1	-	-	-	-	-	-	-
____(18) SEPTICEMIA	66	30	36	-	-	1	-	-	-	-	-	-	-
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	3	1	2	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	30	22	8	2	-	-	-	-	-	-	-	-	-
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(34) ZOSTER (HERPES ZOSTER)	2	1	1	-	-	-	-	-	-	-	-	-	-
____(38) VIRAL HEPATITIS	13	8	5	-	-	-	-	-	-	-	-	-	-
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	8	8	-	-	-	-	-	-	-	-	-	-	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	4	4	-	-	-	-	-	-	-	-	-	-	-
_____(40) RESULTING IN MALIGNANT NEOPLASMS	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	1	-	-	-	-	-	-	-	-	-	-	-
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	6	5	1	2	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	8	5	3	-	-	-	-	-	-	-	-	-	-
____(48) MYCOSES	2	1	1	-	-	-	-	-	-	-	-	-	-
____(54) SEQUELAE OF POLIOMYELITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	5	3	2	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	1,948	982	966	1	1	-	-	-	1	-	1	-	-
__MALIGNANT NEOPLASMS	**1,901**	**959**	**942**	**-**	**1**	**-**	**-**	**-**	**1**	**-**	**1**	**-**	**-**
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	17	7	10	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	3	1	2	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	3	2	1	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	11	4	7	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	427	241	186	-	-	-	-	-	-	-	-	-	-
_____(60) OF ESOPHAGUS	50	33	17	-	-	-	-	-	-	-	-	-	-
_____(61) OF STOMACH	42	27	15	-	-	-	-	-	-	-	-	-	-
_____(62) OF SMALL INTESTINE	3	1	2	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	184	100	84	-	-	-	-	-	-	-	-	-	-
_____(63) COLON	149	77	72	-	-	-	-	-	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	33	22	11	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS AND ANAL CANAL	2	1	1	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	42	29	13	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	25	18	7	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	17	11	6	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	15	4	11	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	89	45	44	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	2	2	-	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	536	293	243	-	-	-	-	-	-	-	-	-	-
_____(72) OF LARYNX	7	4	3	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	527	287	240	-	-	-	-	-	-	-	-	-	-
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	3	1	2	-	-	-	-	-	-	-	-	-	-
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	34	23	11	-	-	-	-	-	-	-	-	-	-
_____(77) MALIGNANT MELANOMA OF SKIN	28	18	10	-	-	-	-	-	-	-	-	-	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	6	5	1	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	23	11	12	-	-	-	-	-	1	-	-	-	-
_____(79) MESOTHELIOMA	11	8	3	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	12	3	9	-	-	-	-	-	1	-	-	-	-
____(82) MALIGNANT NEOPLASM OF BREAST	152	2	150	-	-	-	-	-	-	-	-	-	-
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	109	-	109	-	-	-	-	-	-	-	-	-	-
_____(83) OF VULVA AND VAGINA	4	-	4	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	9	-	9	-	-	-	-	-	-	-	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	31	-	31	-	-	-	-	-	-	-	-	-	-
_____(86) OF OVARY	64	-	64	-	-	-	-	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

02-31

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	112	112	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	110	110	-	-	-	-	-	-	-	-	-	-	-
_____(90) OF TESTIS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	92	62	30	-	-	-	-	-	-	-	-	-	-
_____(92) OF KIDNEY AND RENAL PELVIS	51	33	18	-	-	-	-	-	-	-	-	-	-
_____(93) OF BLADDER	39	28	11	-	-	-	-	-	-	-	-	-	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	2	1	1	-	-	-	-	-	-	-	-	-	-
___(96) MALIGNANT NEOPLASM OF EYE AND ADNEXA	2	1	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	46	22	24	-	1	-	-	-	-	-	-	-	-
_____(96) OF BRAIN	45	21	24	-	1	-	-	-	-	-	-	-	-
_____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	9	1	8	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	168	84	84	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	171	99	72	-	-	-	-	-	-	-	1	-	-
_____(100) HODGKIN'S DISEASE	4	2	2	-	-	-	-	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	63	36	27	-	-	-	-	-	-	-	-	-	-
_____(101) NON-HODGKIN'S LYMPHOMA	63	36	27	-	-	-	-	-	-	-	-	-	-
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	33	17	16	-	-	-	-	-	-	-	-	-	-
_____LEUKEMIA	69	42	27	-	-	-	-	-	-	-	1	-	-
_____(105) LYMPHOID LEUKEMIA	18	12	6	-	-	-	-	-	-	-	1	-	-
_____(106) MYELOID LEUKEMIA	40	25	15	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	11	5	6	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(111) OF FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	1	-	1	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	38	20	18	1	-	-	-	-	-	-	-	-	-
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	7	3	4	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	**26**	**10**	**16**	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	11	5	6	-	-	-	-	-	-	-	-	-	-
___(118) NUTRITIONAL ANEMIAS	2	2	-	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(116) APLASTIC ANEMIAS	2	1	1	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	5	2	3	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	11	1	10	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	4	4	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**281**	**129**	**152**	-	1	-	-	-	-	-	-	-	-
__ENDOCRINE DISEASES	218	104	114	-	-	-	-	-	-	-	-	-	-
___(123) DISORDERS OF THYROID GLAND	5	2	3	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	211	102	109	-	-	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	2	-	2	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	28	9	19	-	-	-	-	-	-	-	-	-	-
___MALNUTRITION	14	2	12	-	-	-	-	-	-	-	-	-	-
_____(129) NUTRITIONAL MARASMUS	3	-	3	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	11	2	9	-	-	-	-	-	-	-	-	-	-
___(131) OTHER NUTRITIONAL DEFICIENCIES	2	1	1	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	12	6	6	-	-	-	-	-	-	-	-	-	-
__METABOLIC DISORDERS	35	16	19	-	1	-	-	-	-	-	-	-	-
___(133) CYSTIC FIBROSIS	1	1	-	-	-	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	16	5	11	-	1	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	18	10	8	-	-	-	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	**230**	**80**	**150**	-	-	-	-	-	-	-	-	-	-
__(136) ORGANIC DEMENTIA	178	53	125	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	6	1	5	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	38	23	15	-	-	-	-	-	-	-	-	-	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	29	21	8	-	-	-	-	-	-	-	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	9	2	7	-	-	-	-	-	-	-	-	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	3	1	2	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	2	1	1	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 356 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	3	1	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**452**	**167**	**285**	**1**	-	**1**	-	-	-	-	-	-	-
__(145) MENINGITIS	2	2	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	61	32	29	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	284	82	202	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	19	4	15	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	4	2	2	-	-	-	-	-	-	-	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	2	-	2	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	3	2	1	-	-	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	76	43	33	1	-	1	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	**2,778**	**1,374**	**1,404**	-	**2**	-	-	**1**	**1**	-	-	-	-
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	23	11	12	-	-	-	-	-	-	-	-	-	-
____(156) ACUTE RHEUMATIC FEVER	1	-	1	-	-	-	-	-	-	-	-	-	-
____CHRONIC RHEUMATIC HEART DISEASES	22	11	11	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	12	6	6	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	3	3	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	7	2	5	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	102	33	69	-	1	-	-	-	-	-	-	-	-
____(161) ESSENTIAL (PRIMARY) HYPERTENSION	34	14	20	-	-	-	-	-	-	-	-	-	-
____(162) HYPERTENSIVE HEART DISEASE	40	11	29	-	-	-	-	-	-	-	-	-	-
____(163) HYPERTENSIVE RENAL DISEASE	24	8	16	-	1	-	-	-	-	-	-	-	-
____(164) HYPERTENSIVE HEART AND RENAL FAILURE	4	-	4	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	1,179	698	481	-	-	-	-	-	-	-	-	-	-
____(165) ACUTE MYOCARDIAL INFARCTION	504	308	196	-	-	-	-	-	-	-	-	-	-
____(166) OTHER ACUTE ISCHEMIC HEART DISEASES	3	1	2	-	-	-	-	-	-	-	-	-	-
____OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	672	389	283	-	-	-	-	-	-	-	-	-	-
_____(167) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	141	84	57	-	-	-	-	-	-	-	-	-	-
_____(166) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	531	305	226	-	-	-	-	-	-	-	-	-	-
__OTHER HEART DISEASES	685	308	377	-	1	-	-	1	1	-	-	-	-
____PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	52	21	31	-	-	-	-	-	-	-	-	-	-
_____(169) PULMONARY EMBOLISM	29	12	17	-	-	-	-	-	-	-	-	-	-
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	23	9	14	-	-	-	-	-	-	-	-	-	-
____OTHER NON-PULMONARY FORMS OF HEART DISEASE	633	287	346	-	1	-	-	1	1	-	-	-	-
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	2	2	-	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	4	2	2	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	102	40	62	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	13	4	9	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	48	15	33	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	41	21	20	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	60	34	26	-	1	-	-	-	1	-	-	-	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	147	73	74	-	-	-	-	1	-	-	-	-	-
_____HEART FAILURE	276	115	161	-	-	-	-	-	-	-	-	-	-
_____(176) CONGESTIVE HEART FAILURE	256	100	156	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	20	15	5	-	-	-	-	-	-	-	-	-	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	2	-	2	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	40	21	19	-	-	-	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	638	243	395	-	-	-	-	-	-	-	-	-	-
____(182) SUBARACHNOID HEMORRHAGE	28	6	22	-	-	-	-	-	-	-	-	-	-
____(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	99	39	60	-	-	-	-	-	-	-	-	-	-
____(184) CEREBRAL INFARCTION	39	16	23	-	-	-	-	-	-	-	-	-	-
____(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	359	140	219	-	-	-	-	-	-	-	-	-	-
____(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	113	42	71	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	134	74	60	-	-	-	-	-	-	-	-	-	-
____(187) ATHEROSCLEROSIS	40	18	22	-	-	-	-	-	-	-	-	-	-
____(188) AORTIC ANEURYSM AND DISSECTION	60	38	22	-	-	-	-	-	-	-	-	-	-
____(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	34	18	16	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	17	7	10	-	-	-	-	-	-	-	-	-	-
____(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	13	4	9	-	-	-	-	-	-	-	-	-	-
____(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	4	3	1	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE RESPIRATORY SYSTEM	**1,004**	**480**	**524**	-	-	-	1	-	-	-	-	1	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	1,004	480	524	-	-	-	1	-	-	-	-	1	-
___(195) INFLUENZA	7	4	3	-	-	-	-	-	-	-	-	-	-
___PNEUMONIA	247	115	132	-	-	-	-	-	-	-	-	1	-
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	2	1	1	-	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	13	5	8	-	-	-	-	-	-	-	-	-	-
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	232	109	123	-	-	-	-	-	-	-	-	1	-
___OTHER ACUTE LOWE RESPIRATORY INFECTIONS	2	1	1	-	-	-	1	-	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	2	1	1	-	-	-	1	-	-	-	-	-	-
___(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	2	-	2	-	-	-	-	-	-	-	-	-	-
___CHRONIC LOWER RESPIRATORY DISEASE	573	263	310	-	-	-	-	-	-	-	-	-	-
____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	570	260	310	-	-	-	-	-	-	-	-	-	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	2	-	2	-	-	-	-	-	-	-	-	-	-
_____(203) CHRONIC BRONCHITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	67	33	34	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	482	222	260	-	-	-	-	-	-	-	-	-	-
_____(206) ASTHMA	18	4	14	-	-	-	-	-	-	-	-	-	-
_____(207) BRONCHIECTASIS	3	3	-	-	-	-	-	-	-	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	85	52	33	-	-	-	-	-	-	-	-	-	-
_____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	7	7	-	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	78	45	33	-	-	-	-	-	-	-	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	78	45	33	-	-	-	-	-	-	-	-	-	-
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	1	1	-	-	-	-	-	-	-	-	-	-	-
___(213) PLEURAL EFFUSION AND PLAQUE	2	-	2	-	-	-	-	-	-	-	-	-	-
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	85	44	41	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	**347**	**179**	**168**	-	-	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	347	179	168	-	-	-	-	-	-	-	-	-	-
___(216) DISEASES OF ESOPHAGUS	9	6	3	-	-	-	-	-	-	-	-	-	-
___PEPTIC ULCER	7	3	4	-	-	-	-	-	-	-	-	-	-
_____(217) GASTRIC ULCER	4	2	2	-	-	-	-	-	-	-	-	-	-
_____(218) DUODENAL ULCER	2	1	1	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	1	-	1	-	-	-	-	-	-	-	-	-	-
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	5	-	5	-	-	-	-	-	-	-	-	-	-
___(223) DISEASES OF APPENDIX	4	1	3	-	-	-	-	-	-	-	-	-	-
___(224) HENIA	5	2	3	-	-	-	-	-	-	-	-	-	-
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	5	3	2	-	-	-	-	-	-	-	-	-	-
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	47	13	34	-	-	-	-	-	-	-	-	-	-
___(227) DIVERTICULAR DISEASE OF INTESTINE	11	3	8	-	-	-	-	-	-	-	-	-	-
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	10	3	7	-	-	-	-	-	-	-	-	-	-
___(229) DISEASES OF PERITONEUM	7	3	4	-	-	-	-	-	-	-	-	-	-
___DISEASES OF LIVER	158	98	60	-	-	-	-	-	-	-	-	-	-
_____(230) ALCHOLIC LIVER DISEASE	74	53	21	-	-	-	-	-	-	-	-	-	-
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	1	-	1	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	49	26	23	-	-	-	-	-	-	-	-	-	-
_____(233) OTHER DISEASES OF LIVER	34	19	15	-	-	-	-	-	-	-	-	-	-
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	15	7	8	-	-	-	-	-	-	-	-	-	-
___DISORDERS OF BILIARY TRACT AND PANCREAS	20	15	5	-	-	-	-	-	-	-	-	-	-
_____(235) PANCREATITIS	15	12	3	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	5	3	2	-	-	-	-	-	-	-	-	-	-
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	44	22	22	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	**10**	**2**	**8**	-	-	-	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	8	2	6	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	2	-	2	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	**89**	**22**	**67**	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	18	5	13	-	-	-	-	-	-	-	-	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	6	1	5	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	30	4	26	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	6	3	3	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	2	2	-	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	27	7	20	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(245) OSTEOPOROSIS	18	4	14	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	**153**	**66**	**87**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
__DISEASES OF URINARY SYSTEM	151	65	86	1	-	-	-	-	-	-	-	-	-
___GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	8	2	6	-	-	-	-	-	-	-	-	-	-
____GLOMERULAR DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	7	1	6	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	103	52	51	1	-	-	-	-	-	-	-	-	-
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	35	9	26	-	-	-	-	-	-	-	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	5	2	3	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	**29**	**20**	**9**	**20**	**9**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	11	8	3	8	3	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	11	7	4	7	4	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	2	2	-	2	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	1	1	-	1	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	1	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	3	1	2	1	2	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	**41**	**11**	**30**	**3**	**15**	**2**	**-**	**-**	**-**	**-**	**-**	**-**	**1**
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	2	1	1	1	1	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	5	2	3	-	1	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	7	2	5	-	3	1	-	-	-	-	-	-	1
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	6	1	5	-	1	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	3	-	3	-	3	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	6	1	5	-	4	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	6	2	4	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	6	2	4	2	3	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	**218**	**78**	**140**	**11**	**13**	**-**	**-**	**-**	**1**	**1**	**-**	**-**	**-**
__(291) SENILITY	47	9	38	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	131	55	76	11	13	-	-	-	1	1	-	-	-
___(292) SUDDEN INFANT DEATH SYNDROME	15	6	9	6	9	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	116	49	67	5	4	-	-	-	1	1	-	-	-
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	40	14	26	-	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	**756**	**512**	**244**	**-**	**1**	**1**	**1**	**2**	**2**	**6**	**3**	**6**	**3**
__ACCIDENTS	523	335	188	-	1	1	1	2	1	6	2	3	2
___TRANSPORT ACCIDENTS	273	194	79	-	-	1	-	1	1	2	1	2	2
_____(295) RAILWAY ACCIDENTS	3	3	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	250	175	75	-	-	1	-	1	1	2	1	2	2
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	16	13	3	-	-	1	-	-	-	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	1	1	-	-	-	-	-	-	-	1	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWAY CAR	12	11	1	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	2	1	1	-	-	-	-	-	-	-	1	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	2	1	1	-	-	-	-	-	-	-	1	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIAN	33	23	10	-	-	-	-	-	-	-	-	1	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	66	41	25	-	-	-	-	1	-	1	-	-	1
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	87	58	29	-	-	-	-	-	-	-	-	1	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	10	9	1	-	-	-	-	-	-	-	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	23	18	5	-	-	-	-	-	1	-	-	-	1
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	6	4	2	-	-	-	-	-	-	-	-	-	-
_____(308) WATER TRANSPORT ACCIDENTS	4	3	1	-	-	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	4	4	-	-	-	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	6	5	1	-	-	-	-	-	-	-	-	-	-
___FALLS	111	46	65	-	-	-	-	-	-	-	-	-	-
_____(312) FALL ON SAME LEVEL	48	18	30	-	-	-	-	-	-	-	-	-	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	21	13	8	-	-	-	-	-	-	-	-	-	-
_____(314) UNSPECIFIED FALL	42	15	27	-	-	-	-	-	-	-	-	-	-
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	4	3	1	-	-	-	-	-	-	-	-	1	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(317) ACCIDENTAL DROWNING AND SUBMERSION	19	15	4	-	-	-	-	1	-	1	-	-	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	4	-	4	-	-	-	-	-	-	-	-	-	-
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	5	3	2	-	1	-	1	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	1	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	5	4	1	-	-	-	-	-	-	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	8	8	-	-	-	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	42	28	14	-	-	-	-	-	-	2	1	-	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	35	22	13	-	-	-	-	-	-	-	-	-	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	7	6	1	-	-	-	-	-	-	2	1	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	51	33	18	-	-	-	-	-	-	1	-	-	-
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	182	148	34	-	-	-	-	-	-	-	-	1	-
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	25	14	11	-	-	-	-	-	-	-	-	-	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	1	1	-	-	-	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	10	6	4	-	-	-	-	-	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	25	20	5	-	-	-	-	-	-	-	-	-	-
___(335) BY DISCHARGE OF FIREARMS	114	101	13	-	-	-	-	-	-	-	-	1	-
___(336) BY JUMPING FROM A HIGH PLACE	2	2	-	-	-	-	-	-	-	-	-	-	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	5	4	1	-	-	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	23	14	9	-	-	-	-	1	-	1	1	1	-
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	2	1	1	-	-	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	1	-	1	-	-	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	9	5	4	-	-	-	-	-	-	-	-	1	1
___(341) BY SHARP OBJECT	7	5	2	-	-	-	-	-	-	1	-	-	-
___(342) BY BLUNT OBJECT	1	1	-	-	-	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	3	2	1	-	-	-	-	1	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	24	13	11	-	-	-	-	-	-	-	-	1	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	14	7	7	-	-	-	-	-	-	-	-	-	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	4	3	1	-	-	-	-	-	-	-	-	-	-
___(351) FALLING, JUMPING OR PUSHED FROM A HIGH PLACE, UNDETERMINED INTENT	1	-	1	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	5	3	2	-	-	-	-	-	-	-	-	1	-
__LEGAL INTERVENTION	2	2	-	-	-	-	-	-	-	-	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	2	2	-	-	-	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	2	-	2	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	2	-	2	-	-	-	-	-	-	-	-	-	-

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TABLE 0-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	23	10	29	9	47	21	51	12	39	26	71	44
CERTAIN INFECTIOUS AND PARASITIC DISEASES	-	-	-	-	-	-	-	-	1	-	2	2
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	1	1
___(18) SEPTICEMIA	-	-	-	-	-	-	-	-	-	-	1	1
___(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__VIRAL DISEASES	-	-	-	-	-	-	-	-	1	-	1	1
___(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
___(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
___(38) VIRAL HEPATITIS	-	-	-	-	-	-	-	-	-	-	-	1
___HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	1	-	1	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(40) RESULTING IN MALIGNANT NEOPLASMS	-	-	-	-	-	-	-	-	1	-	1	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
___(48) MYCOSES	-	-	-	-	-	-	-	-	-	-	-	-
___(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	2	1	-	2	2	4	4	1	2	3	5	9
__MALIGNANT NEOPLASMS	2	1	-	2	2	4	4	1	2	3	5	8
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(57) OF TONGUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	-	-	-	-	-	-	1	-	1	1	1	1
_____(60) OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	1
_____(61) OF STOMACH	-	-	-	-	-	-	-	-	1	1	1	-
_____(62) OF SMALL INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
_____OF COLON, RECTUM AND ANUS	-	-	-	-	-	-	1	-	-	-	-	-
_____(63) COLON	-	-	-	-	-	-	1	-	-	-	-	-
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	-	-	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(66) LIVER	-	-	-	-	-	-	-	-	-	-	-	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	-	-	-	-	-
_____(69) OF PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	-	-	-	-	-	-	1	-	-	-	1	2
_____(72) OF LARYNX	-	-	-	-	-	-	-	-	-	-	-	-
_____(73) OF TRACHEA, BRONCHUS AND LUNG	-	-	-	-	-	-	-	-	-	-	1	2
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	1	-	-	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	1	-	-	-	-	-	-	-	-	1	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	1	-	-	-	-	1	2	-	-	-	1	-
_____(77) MALIGNANT MELANOMA OF SKIN	1	-	-	-	-	1	2	-	-	-	1	-
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
___(82) MALIGNANT NEOPLASM OF BREAST	-	-	-	-	-	-	-	-	-	-	-	3
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	-	-	1	-	1	-	-	-	1
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	-	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	-	-	-	-	-	-	-	-	-	-	1
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	-	-	-	-	1	-	-	-	-
_____(86) OF OVARY	-	-	-	-	-	1	-	-	-	-	-	-
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
_____(89) OF PROSTATE	-	-	-	-	-	-	-	-	-	-	-	-
_____(90) OF TESTIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	-	-	-	-	1	1	-	-	-	-	-	-
_____(92) OF KIDNEY AND RENAL PELVIS	-	-	-	-	1	1	-	-	-	-	-	-
_____(93) OF BLADDER	-	-	-	-	-	-	-	-	-	-	-	-
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	1	-	1	-	-	-	-	-	1	-	-
_____(96) OF BRAIN	-	1	-	1	-	-	-	-	-	1	-	-
_____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	1	-	1	1
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	1	1	1	-	-	-	-	1	-
_____(100) HODGKIN'S DISEASE	-	-	-	-	1	1	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	-	-	-	-	-	-	-	-	-	-	1	-
_____(101) NON-HODGKIN'S LYMPHOMA	-	-	-	-	-	-	-	-	-	-	1	-
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
_____LEUKEMIA	-	-	-	1	-	-	-	-	-	-	-	-
_____(105) LYMPHOID LEUKEMIA	-	-	-	1	-	-	-	-	-	-	-	-
_____(106) MYELOID LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	-	-
__BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
___(111) OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	1
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	-	-	-	-	-	-	-	-	-
__ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	-	-	-	-	2	2	-	-	-	3	2	2
__ENDOCRINE DISEASES	-	-	-	-	-	1	-	-	-	2	-	2
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	-	-	-	-	-	1	-	-	-	2	-	2
___(128) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	-	-	-	-	-	1	-	-	-	1	2	-
___MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
_____(129) NUTRITIONAL MARASMUS	-	-	-	-	-	-	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	-	-	-
___(131) OTHER NUTRITIONAL DEFICIENCIES	-	-	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	-	-	-	-	-	1	-	-	-	1	2	-
__METABOLIC DISORDERS	-	-	-	-	2	-	-	-	-	-	-	-
___(133) CYSTIC FIBROSIS	-	-	-	-	1	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	-	-	-	-	1	-	-	-	-	-	-	-
MENTAL AND BEHAVIORAL DISORDERS	-	-	-	-	-	1	-	-	-	1	1	1
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	-	-	-	-	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	1	-	-	-	1	1	1
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	-	-	-	-	-	1	-	-	-	-	1	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	-	-	-	-	-	-	-	-	1	-	1
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**1**	-	-	-	-	-	**2**	-	**1**	**1**	**4**	-
__(145) MENINGITIS	-	-	-	-	-	-	-	-	-	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__(149) MULTIPLE SCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
__(150) EPILEPSY	-	-	-	-	-	-	1	-	-	1	1	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	1	-	-	-	-	-	1	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-	1	-	3	-
DISEASES OF THE CIRCULATORY SYSTEM	-	-	**2**	-	**1**	-	**2**	**1**	-	**1**	**6**	**2**
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(156) ACUTE RHEUMATIC FEVER	-	-	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
__HYPERTENSIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	-	-	-	-	-	-	1	1	-	-	3	2
___(165) ACUTE MYOCARDIAL INFARCTION	-	-	-	-	-	-	1	-	-	-	1	-
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	-	-	-	-	-	-	-	1	-	-	2	2
_____(167) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	-	-	-	-	-	-	-	-	-	-	1
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	-	-	-	-	-	-	-	1	-	-	2	1
__OTHER HEART DISEASES	-	-	2	-	1	-	-	-	-	1	2	-
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	-	-	-
_____(169) PULMONARY EMBOLISM	-	-	-	-	-	-	-	-	-	-	-	-
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	-	-	2	-	1	-	-	-	-	1	2	-
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	1	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	1	1	-
_____OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	-	-	-	-	-	-	-	-	-	-	-
_____(176) CARDIOMYOPATHY	-	-	-	-	-	-	-	-	-	-	-	-
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	-	-	2	-	-	-	-	-	-	-	-	-
_____HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(178) CONGESTIVE HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	1	-	-	-	-	-	-	-
__CEREBROVASCULAR DISEASE	-	-	-	-	-	-	1	-	-	-	-	-
___(182) SUBARACHNOID HEMORRHAGE	-	-	-	-	-	-	1	-	-	-	-	-
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	-	-	-	-	-	-	-	-	-	-
___(184) CEREBRAL INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	1	-
___(187) ATHEROSCLEROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	-	-	-	-	-	-	-	-	-	-	1	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	-	-	-	-	-	-	-	-
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	-	-	-	1	-	1	1	1
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	-	-	-	-	-	-	-	1	-	1	1	1
___(195) INFLUENZA	-	-	-	-	-	-	-	-	-	-	-	-
___PNEUMONIA	-	-	-	-	-	-	-	-	-	1	1	1
____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
____(197) BACTERIAL PNEUMONIA	-	-	-	-	-	-	-	-	-	-	1	-
____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	1	-	1
___OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___CHRONIC LOWER RESPIRATORY DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
_____(203) CHRONIC BRONCHITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	-	-	-	-	-	-	-	-	-	-
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
_____(206) ASTHMA	-	-	-	-	-	-	-	-	-	-	-	-
____(207) BRONCHIECTASIS	-	-	-	-	-	-	-	-	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	-	-	-	-	-	-	-
____(208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	-	-	-	-	-	-	-
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	-	-	-	-	-	-	-
___(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
___(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	1	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	1	4	6	6
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	1	4	6	6
___(216) DISEASES OF ESOPHAGUS	-	-	-	-	-	-	-	-	-	-	-	-
____PEPTIC ULCER	-	-	-	-	-	-	-	-	-	1	-	-
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	-	-	1	-	-
_____(218) DUODENAL ULCER	-	-	-	-	-	-	-	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	1
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	1	-
____(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	-	-	-	-	-	-	-	-	-	-	-	-
____(227) DIVERTICULAR OISEASE OF INTESTINE	-	-	-	-	-	-	-	-	-	-	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
____(229) DISEASES OF PERITONEUM	-	-	-	-	-	-	-	-	-	-	-	-
___OISEASES OF LIVER	-	-	-	-	-	-	-	-	1	3	5	5
_____(230) ALCHOLIC LIVER DISEASE	-	-	-	-	-	-	-	-	1	3	5	3
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	-	-	-	-	-	-	-	-	-	-	-	2
_____(233) OTHER DISEASES OF LIVER	-	-	-	-	-	-	-	-	-	-	-	-
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	-	-	-	-	-	-	-	-	-	-
____OISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
_____(235) PANCREATITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	-	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	-	-	-	-	-	-	-	-	-	-	**1**	**2**
__DISEASES OF URINARY SYSTEM	-	-	-	-	-	-	-	-	-	-	1	1
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
______(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
____(251) RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	1	1
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	-	-	-	-	-	-	-	-	-	-	-	-
____(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-	-	-	-	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(278) BIRTH TRAUMA	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	-	**1**	-	**1**	**1**	-	-	-	-
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	1	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	1	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	1	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINOS, NOT ELSEWHERE CLASSIFIED	-	**1**	-	-	**1**	-	**1**	-	-	**1**	**1**	**1**
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	-	1	-	-	-	-	-	-	-	1	1	1
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	-	1	-	-	1	-	1	-	-	1	1	1
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	**20**	**8**	**27**	**7**	**40**	**14**	**41**	**8**	**34**	**11**	**42**	**18**
__ACCIDENTS	12	7	21	6	24	11	25	8	18	5	29	10
____TRANSPORT ACCIDENTS	9	6	17	6	17	11	18	6	12	4	20	3
_____(295) RAILWAY ACCIDENTS	-	-	-	-	-	-	-	-	1	-	-	-
_____MOTOR VEHICLE ACCIDENTS	9	6	16	5	17	11	17	6	10	4	19	3
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	1	-	1	1	-	-	1	1	1	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWAY CAR	1	-	-	-	2	1	2	-	1	-	1	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIAN	1	-	5	3	3	2	4	-	1	1	2	3
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	2	3	5	-	3	4	2	3	1	-	4	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	4	2	4	2	7	3	7	3	4	2	10	-
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	-	-	-	-	1	-	1	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	1	1	1	-	1	-	1	-	1	-	1	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	1	-	-	-	-	-	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	1	-	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-	-	-	1	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	-	-	-	-	1	-	1	-	-	-
____FALLS	-	-	-	-	3	-	2	-	1	-	-	1
_____(312) FALL ON SAME LEVEL	-	-	-	-	1	-	1	-	-	-	-	1
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	-	-	2	-	-	-	1	-	-	-
_____(314) UNSPECIFIED FALL	-	-	-	-	-	-	1	-	-	-	-	-
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	1	-	-	-	-	-	-	-	-	1	1	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOHO TO CATEGORIES AND CODE RANGES SHOWN IN FIOURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	15 - 17 YEARS		18 - 19 YEARS		20 - 24 YEARS		25 - 29 YEARS		30 - 34 YEARS		35 - 39 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(317) ACCIDENTAL DROWNING AND SUBMERSION	1	-	1	-	2	-	-	-	-	-	1	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	-	-	-	-	-	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	1	-	-	-	-	-	-	-	-	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	1	-	-	-	-	-	2	-	1	-	2	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	-	1	-	-	-	-	1	2	4	-	1	5
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	1	-	-	-	-	1	2	4	-	1	5
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	-	-	2	-	2	-	2	-	-	-	4	1
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	8	1	3	-	14	2	14	-	12	5	10	3
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	1	1	-	-	1	1	1	-	1	-	1	1
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	-	-	-	-	-	2	1	1	1
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	1	-	4	1	1	-	3	1	-	-
___(335) BY DISCHARGE OF FIREARMS	7	-	2	-	8	-	11	-	5	3	8	1
___(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	-	-	1	-	-	-	-	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	1	-	-	-
__ASSAULT (HOMICIDE)	-	-	2	1	1	1	2	-	1	-	2	1
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	1	-	-	1	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	-	-	-	-	-	1	-	-	-	-	-	1
___(341) BY SHARP OBJECT	-	-	2	-	-	-	1	-	1	-	1	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-	-	-	1	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	1	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	-	-	1	-	1	-	-	-	2	1	1	4
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDETERMINED INTENT	-	-	-	-	1	-	-	-	1	1	1	3
___(351) DISCHARGE OF FIREARMS, UNDETERMINED INTENT	-	-	1	-	-	-	-	-	1	-	-	1
___(351) FALLING, JUMPING OR PUSHED FROM A HIGH PLACE, UNDETERMINED INTENT	-	-	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	-	-	-	-	-	-	-	-	1	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	1	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE 0-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	90	55	147	101	195	113	254	149	261	199	324	259
CERTAIN INFECTIOUS AND PARASITIC DISEASES	3	1	8	5	4	2	4	2	4	4	4	-
__INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER INTESTINAL INFECTIOUS DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	-	-	-	-	-	-	-	-	-	-	-	-
__ZOONOTIC AND OTHER BACTERIAL DISEASES	-	1	2	2	1	2	3	2	4	3	2	-
___(18) SEPTICEMIA	-	1	2	2	1	2	2	2	4	2	2	-
___(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	-	-	-	-	-	-	1	-	-	1	-	-
__VIRAL DISEASES	3	-	4	2	2	-	-	-	-	1	2	-
___(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
___(34) ZOSTER (HERPES ZOSTER)	-	-	-	-	-	-	-	-	-	-	-	-
___(38) VIRAL HEPATITIS	1	-	2	2	2	-	-	-	-	-	-	-
___HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	2	-	2	-	-	-	-	-	-	-	1	-
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	1	-	2	-	-	-	-	-	-	-	-	-
_____(40) RESULTING IN MALIGNANT NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	1	-	-	-	-	-	-	-	-	-	-	-
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	-	-	-	-	-	-	-	-	-	-	1	-
___(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	-	-	-	-	-	-	-	-	-	1	1	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	2	1	1	-	1	-	-	-	-	-
___(48) MYCOSES	-	-	1	-	-	-	-	-	-	-	-	-
___(54) SEQUELAE OF POLIOMYELITIS	-	-	-	-	-	-	-	-	-	-	-	-
___(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	-	-	1	1	1	-	1	-	-	-	-	-
NEOPLASMS	12	10	23	38	50	43	81	64	83	76	105	106
__MALIGNANT NEOPLASMS	12	10	23	37	50	42	81	64	82	76	103	105
___MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	-	-	1	-	1	-	1	-	-	2	1	-
_____(57) OF TONGUE	-	-	-	-	1	-	-	-	-	-	-	-
_____(58) OF PHARYNX	-	-	-	-	-	-	1	-	-	-	-	-
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	-	-	1	-	-	-	-	-	-	2	1	-
___MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	5	2	7	2	18	6	26	11	18	8	25	20
_____(60) OF ESOPHAGUS	1	-	-	-	2	-	6	1	4	-	5	1
_____(61) OF STOMACH	-	-	-	-	1	-	3	-	-	1	2	3
_____(62) OF SMALL INTESTINE	-	-	1	-	-	-	-	-	-	-	-	2
_____OF COLON, RECTUM AND ANUS	1	1	1	1	5	5	11	3	8	2	14	9
_____(63) COLON	-	1	1	1	4	3	7	3	5	1	6	9
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	1	-	-	-	1	2	4	-	3	-	7	-
_____(65) ANUS AND ANAL CANAL	-	-	-	-	-	-	-	-	-	1	1	-
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	3	1	2	-	4	-	2	-	3	-	2	-
_____(66) LIVER	1	1	2	-	3	-	1	-	2	-	2	-
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	2	-	-	-	1	-	1	-	1	-	-	-
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	-	-	-	-	-	-	-	2	-	-	-	2
_____(69) OF PANCREAS	-	-	3	1	6	1	3	5	3	5	2	3
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	-	-	-	-	-	-	1	-	-	-	-	-
___MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	2	1	2	6	14	5	30	18	30	30	34	38
_____(72) OF LARYNX	-	-	-	-	-	-	2	-	1	1	-	1
_____(73) OF TRACHEA, BRONCHUS AND LUNG	2	1	2	6	14	5	27	18	29	29	34	37
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	-	-	-	-	-	-	1	-	-	-	-	-
___(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	-	-	-	1	-	-	-	-	-	-	-	-
___MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	2	1	-	1	3	-	1	1	4	2
_____(77) MALIGNANT MELANOMA OF SKIN	-	-	2	1	-	1	2	-	1	1	3	2
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	-	-	-	-	-	-	1	-	-	-	1	-
___MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	-	1	-	1	1	-	-	1	3	2	1	-
_____(79) MESOTHELIOMA	-	-	-	-	-	-	-	-	2	-	1	-
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	-	1	-	1	1	-	-	1	1	2	-	-
___(82) MALIGNANT NEOPLASM OF BREAST	-	3	-	13	-	12	-	12	-	9	-	12
___MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	-	-	-	5	-	11	-	4	-	8	-	15
_____(83) OF VULVA AND VAGINA	-	-	-	-	-	1	-	-	-	-	-	-
_____(84) OF CERVIX UTERI	-	-	-	1	-	2	-	-	-	-	-	-
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	-	-	-	-	-	3	-	1	-	2	-	3
_____(86) OF OVARY	-	-	-	4	-	5	-	3	-	6	-	12
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	-	-	-	-	-	-	3	-	2	-	6	-
_____(89) OF PROSTATE	-	-	-	-	-	-	3	-	2	-	5	-
_____(90) OF TESTIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	1	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	1	-	1	1	4	1	3	3	5	2	6	4
_____(92) OF KIDNEY AND RENAL PELVIS	1	-	-	1	2	1	2	2	4	1	3	1
_____(93) OF BLADDER	-	-	1	-	2	-	1	1	1	1	3	3
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	-	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	-	4	1	3	1	2	4	3	1	2	3
_____(96) OF BRAIN	2	-	4	1	3	1	2	4	3	1	2	3
_____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	-	-	-	-	-	2	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	-	2	4	4	5	2	6	8	13	4	8	6
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	2	1	2	2	4	1	7	3	7	9	16	5
_____(100) HODGKIN'S DISEASE	1	-	-	-	-	-	-	-	-	-	-	-
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	1	-	1	1	2	1	3	2	4	3	5	2
_____(101) NON-HODGKIN'S LYMPHOMA	1	-	1	1	2	1	3	2	4	3	5	2
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	-	-	-	1	1	-	2	1	-	4	3	1
_____LEUKEMIA	-	1	1	-	1	-	2	-	3	2	8	2
_____(105) LYMPHOID LEUKEMIA	-	-	1	-	-	-	1	-	-	-	2	-
_____(106) MYELOID LEUKEMIA	-	1	-	-	1	-	1	-	3	2	4	2
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	-	-	-	-	-	-	-	-	-	-	2	-
__BENIGN NEOPLASMS	-	-	-	-	-	-	-	-	-	-	-	-
___(111) OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	-	-	-	1	-	1	-	-	1	-	2	1
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	-	-	-	**1**	-	-	-	-	-	-	**2**	**1**
__ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	1
___(116) NUTRITIONAL ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(117) HEMOLYTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	1
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	-	-	-	-	-	-	-	-	-	-	-	-
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	-	-	-	1	-	-	-	-	-	-	-	-
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	-	-	-	-	-	-	-	-	-	-	2	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**4**	**3**	**2**	**2**	**13**	**10**	**8**	**5**	**7**	**6**	**14**	**11**
__ENDOCRINE DISEASES	3	2	2	1	11	6	7	4	6	4	11	10
___(123) DISORDERS OF THYROID GLAND	-	-	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	3	2	2	1	11	6	7	4	6	4	11	10
___(126) OTHER ENDOCRINE DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
__NUTRITIONAL DISEASES	1	-	-	1	1	3	-	-	-	2	1	-
___MALNUTRITION	-	-	-	-	-	1	-	-	-	1	-	-
_____(129) NUTRITIONAL MARASMUS	-	-	-	-	-	1	-	-	-	-	-	-
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	-	-	-	-	-	-	-	-	-	1	-	-
___(131) OTHER NUTRITIONAL DEFICIENCIES	-	-	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	1	-	-	1	1	2	-	-	-	1	1	-
__METABOLIC DISORDERS	-	1	-	-	1	1	1	1	1	-	2	1
___(133) CYSTIC FIBROSIS	-	-	-	-	-	-	-	-	-	-	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	-	-	-	-	-	-	-	-	-	-	1	-
___(135) OTHER METABOLIC DISORDERS	-	1	-	-	1	1	1	1	1	-	1	1
MENTAL AND BEHAVIORAL DISORDERS	**2**	**3**	**4**	**2**	**2**	-	**3**	**6**	**3**	**3**	**4**	**1**
__(136) ORGANIC DEMENTIA	-	-	-	-	-	-	-	1	-	2	1	-
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	-	-	-	-	-	-	-	1	-	-	-	-
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	2	3	4	2	2	-	3	3	3	1	2	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	2	1	4	1	2	-	3	2	2	1	2	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	-	2	-	1	-	-	-	1	1	-	-	-
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
__(141) MOOD (AFFECTIVE) DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-

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TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__(143) MENTAL RETARDATION	-	-	-	-	-	-	-	1	-	-	1	1
DISEASES OF THE NERVOUS SYSTEM	3	5	3	5	2	2	5	3	7	4	7	14
__(145) MENINGITIS	-	-	1	-	-	-	-	-	1	-	-	-
__(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(147) PARKINSON'S DISEASE	-	-	-	-	-	-	-	-	-	-	2	-
__(148) ALZHEIMER'S DISEASE	-	-	-	-	1	1	1	-	1	-	2	4
__(149) MULTIPLE SCLEROSIS	-	2	-	4	-	1	-	1	-	1	1	3
__(150) EPILEPSY	-	-	-	1	-	-	-	-	-	-	-	-
__(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	-	-	-	-	-
__(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	-	-	-	-	-	-	-
__(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	3	3	2	-	1	-	4	2	5	3	2	7
DISEASES OF THE CIRCULATORY SYSTEM	14	7	32	16	53	24	78	36	87	58	120	61
__ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	1	-	-	-	-	1	-	-	1	-	-	1
___(156) ACUTE RHEUMATIC FEVER	-	-	-	-	-	1	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	1	-	-	-	-	-	-	-	1	-	-	1
_____157) RHEUMATIC MITRAL VALVE DISEASE	1	-	-	-	-	-	-	-	1	-	-	-
_____(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	-	-	-	-	-	-	-	-	-	-	-	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	-	-	-	-	-	-	-	-	-	-	-	1
__HYPERTENSIVE DISEASES	1	-	4	-	1	-	1	1	1	2	3	1
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	-	-	3	-	-	-	-	-	-	-	2	-
___(162) HYPERTENSIVE HEART DISEASE	1	-	1	-	1	-	1	1	1	2	1	1
___(163) HYPERTENSIVE RENAL DISEASE	-	-	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	-	-	-	-	-
__ISCHEMIC HEART DISEASES	7	4	21	7	33	9	52	17	55	27	73	26
___(165) ACUTE MYOCARDIAL INFARCTION	3	1	5	4	11	1	31	8	27	11	41	14
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	4	3	16	3	22	8	21	9	28	16	32	12
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	-	2	6	1	11	1	6	3	8	5	11	4
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	4	1	10	2	11	7	15	6	20	11	21	8
__OTHER HEART DISEASES	4	3	5	3	13	3	13	8	15	15	30	17
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	4	1	2	2	1	3	1	4
_____(169) PULMONARY EMBOLISM	-	-	-	-	2	1	1	1	1	3	-	2
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	-	-	-	-	2	-	1	1	-	-	1	2
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	4	3	5	3	9	2	11	6	14	12	29	13
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____OTHER DISEASES OF ENDOCARDIUM	1	1	1	-	2	-	-	1	-	1	4	1
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	-	-	-	-	-	-	-	-	-	-
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	-	1	-	-	-	-	1	-	1	2	1
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	-	1	-	-	2	-	-	-	-	-	2	-
_____(176) CARDIOMYOPATHY	1	-	-	-	1	1	-	-	3	3	5	2
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	1	2	4	2	5	-	6	1	2	5	11	2
_____HEART FAILURE	1	-	-	-	-	-	3	3	7	2	7	5
_____(178) CONGESTIVE HEART FAILURE	1	-	-	-	-	-	3	3	4	2	5	4
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	-	-	-	-	-	-	-	-	3	-	2	1
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	1	-	-	-	-	-	-	-	-
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	-	-	-	-	1	1	2	1	2	1	2	3
__CEREBROVASCULAR DISEASE	1	-	1	6	3	8	9	9	7	9	13	15
___(182) SUBARACHNOID HEMORRHAGE	-	-	-	3	-	3	-	1	-	-	3	4
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	-	-	-	1	-	4	6	4	3	5	3	3
___(184) CEREBRAL INFARCTION	-	-	1	1	-	1	-	-	-	1	1	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	-	-	-	-	2	-	2	3	4	2	5	7
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	1	-	-	1	1	-	1	1	-	1	1	1
__DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	1	-	3	3	2	1	6	3	-	1
___(187) ATHEROSCLEROSIS	-	-	-	-	-	-	1	1	2	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	-	-	1	-	2	1	1	-	2	2	-	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	-	-	-	-	1	2	-	-	2	1	-	1
__OTHER DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	1	-	2	2	1	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	-	-	-	-	-	-	1	-	-	2	1	-
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	2	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 99 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE RESPIRATORY SYSTEM	**3**	**2**	**3**	**4**	**5**	**7**	**18**	**4**	**29**	**23**	**33**	**36**
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	3	2	3	4	5	7	18	4	29	23	33	36
____(195) INFLUENZA	-	-	1	-	-	-	-	-	-	-	1	-
____PNEUMONIA	3	2	-	2	3	3	2	-	6	3	4	7
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(197) BACTERIAL PNEUMONIA	-	2	-	-	-	-	-	-	1	-	-	2
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	3	-	-	2	3	3	2	-	5	3	4	5
____OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	-	-	-	-	-	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	-	-	-	-	-	-	-	-	-	-	-
____(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____CHRONIC LOWER RESPIRATORY DISEASE	-	-	1	2	2	3	14	2	19	18	24	26
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	-	-	1	2	2	3	13	2	19	18	24	26
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	-	-	-	-	-	-	-
_____(203) CHRONIC BRONCHITIS	-	-	-	-	-	-	-	-	-	-	-	-
_____(204) EMPHYSEMA	-	-	-	-	1	1	4	-	2	1	4	2
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	-	-	-	1	1	1	8	1	17	17	20	24
_____(206) ASTHMA	-	-	1	1	-	1	1	1	-	-	-	-
_____(207) BRONCHIECTASIS	-	-	-	-	-	-	1	-	-	-	-	-
____LUNG DISEASES DUE TO EXTERNAL AGENTS	-	-	-	-	-	1	-	-	1	-	2	1
_____(206) PNEUMONCONIOSES AND CHEMICAL EFFECTS	-	-	-	-	-	-	-	-	-	-	-	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	-	-	-	-	-	1	-	-	1	-	2	1
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	-	-	-	-	-	1	-	-	1	-	2	1
____(212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
____(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	-	-	-	-	-	-	-
____(214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	-	-	1	-	-	-	2	2	3	2	2	2
DISEASES OF THE DIGESTIVE SYSTEM	**14**	**5**	**19**	**8**	**20**	**6**	**15**	**10**	**13**	**5**	**7**	**7**
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	14	5	19	8	20	6	15	10	13	5	7	7
____(218) DISEASES OF ESOPHAGUS	1	-	-	-	-	-	-	-	-	-	-	-
____PEPTIC ULCER	-	-	1	-	-	-	1	-	-	-	1	-
_____(217) GASTRIC ULCER	-	-	1	-	-	-	-	-	-	-	1	-
_____(218) DUODENAL ULCER	-	-	-	-	-	-	1	-	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-
____(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	-	-	-	-	-	-	-	-	-	-	-
____(223) DISEASES OF APPENDIX	-	-	-	-	-	-	-	-	-	-	-	-
____(224) HENIA	-	-	-	-	-	-	-	-	-	-	-	-
____(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	1	-	-	-	-	-	-	-	-	-	-	1
____(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	1	-	-	-	-	1	-	1	1	1	-	2
____(227) DIVERTICULAR DISEASE OF INTESTINE	-	-	-	-	-	-	-	1	-	-	-	-
____(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	-	-	-	-	-	-	-	-	-	1	-
____(229) DISEASES OF PERITONEUM	-	-	-	1	-	-	-	-	-	1	-	-
____DISEASES OF LIVER	8	5	16	6	18	5	13	7	9	2	3	4
_____(230) ALCHOLIC LIVER DISEASE	5	-	9	2	9	3	8	5	5	2	2	-
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	1	1	4	1	7	1	2	1	2	-	1	2
_____(233) OTHER DISEASES OF LIVER	2	4	3	3	2	1	3	1	2	-	-	2
____(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	-	1	-	-	-	-	-	1	-	2	-
____DISORDERS OF BILIARY TRACT AND PANCREAS	2	-	-	1	1	-	1	-	2	-	-	-
_____(235) PANCREATITIS	2	-	-	1	1	-	1	-	2	-	-	-
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	-	-	-	-	-	-	-	-	-	-	-
____(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	1	-	1	-	1	-	-	1	-	1	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	1	-	-	-	-	-	-	-
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	1	-	-	-	-	-	-	-
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	**1**	**1**	**1**	**3**	-	**4**	**4**	**2**	**1**	**4**
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	-	-	-	-	-	-	-	-	-	1	-	-
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	1	1	-	1	-	2	-	-	-	1
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	-	-	-	1	2	-	1	-	1	1	2
__(243) DORSOPATHIES	-	-	-	-	-	-	-	-	1	-	-	-
__(244) SOFT TISSUE DISORDERS	-	-	-	-	-	-	-	-	1	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	-	-	-	-	-	-	1	2	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(245) OSTEOPOROSIS	-	-	-	-	-	-	-	-	-	-	-	1
DISEASES OF THE GENITOURINARY SYSTEM	-	-	1	-	-	1	2	2	1	1	5	4
__DISEASES OF URINARY SYSTEM	-	-	1	-	-	1	2	2	1	1	5	4
___GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	-	-	-	-	-	-	-	-	-	-	-
___(251) RENAL FAILURE	-	-	1	-	-	1	1	2	1	1	4	2
___(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	-	-	-	-	-	-	1	-	-	-	1	2
___(255) OTHER DISEASES OF URINARY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
___(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	-	-	-	-	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	1	1	1	1	-	1	1	-	4	-	-
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	1	1	-	-	-	-	-	1	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	-	-	-	-	-
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-	1	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	1	-	1	1	-	2	-	-
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	1	-	-	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	3	1	2	3	4	1	3	3	2	6	4	2
__(291) SENILITY	-	-	-	-	-	-	-	-	-	-	-	-
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	2	1	1	3	4	1	2	2	1	4	4	2
___(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-	-	-	-	-
___(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	2	1	1	3	4	1	2	2	1	4	4	2
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	-	1	-	-	-	1	1	1	2	-	-
EXTERNAL CAUSES OF MORTALITY	32	17	48	15	39	14	36	9	21	7	18	12
__ACCIDENTS	20	7	25	10	25	11	20	5	14	6	11	9
___TRANSPORT ACCIDENTS	9	5	18	5	18	9	10	4	7	2	6	3
_____(295) RAILWAY ACCIDENTS	1	-	-	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	6	4	15	5	17	8	9	4	6	2	5	3
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	-	-	2	1	2	-	2	-	-	-	1	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWAY CAR	1	-	2	-	-	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	-	-	-	-	-	-	-	-	-	-
_____(301) MOTOR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIAN	2	-	1	-	1	-	1	-	1	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	1	1	3	2	2	4	3	2	2	2	1	1
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	2	2	1	2	8	4	2	2	2	-	1	2
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	-	-	3	-	1	-	-	-	-	-	1	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	-	1	3	-	3	-	1	-	1	-	1	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	1	1	-	-	1	-	-	-	1	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	1	-	-	-	-	1	-	-	-	-	1	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	2	-	-	-	1	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	-	-	1	-	-	-	-	-	-	-	-	-
___FALLS	-	-	1	-	2	1	2	-	2	2	2	1
_____(312) FALL ON SAME LEVEL	-	-	-	-	1	-	1	-	-	1	1	-
_____(313) FALL FROM ONE LEVEL TO ANOTHER	-	-	1	-	1	-	1	-	1	1	-	1
_____(314) UNSPECIFIED FALL	-	-	-	-	-	1	-	-	1	-	1	-
___(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	40-44 YEARS		45 - 49 YEARS		50 - 54 YEARS		55 - 59 YEARS		60 - 64 YEARS		65 - 69 YEARS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(317) ACCIDENTAL DROWNING AND SUBMERSION	1	-	1	1	1	-	2	-	-	1	-	2
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	-	-	-	-	-	-	-
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	1	-	-	-	-	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	1	-	-	-	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	1	-	-	-	-	-	-	1
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	1	-	-	-	-	-	-	-	1	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	5	2	3	3	2	-	5	-	1	-	1	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	5	2	3	3	2	-	2	-	-	-	1	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	3	-	1	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	2	-	2	1	1	1	1	1	3	1	2	2
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	12	7	18	2	11	3	13	3	6	1	7	3
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	2	4	1	1	3	1	2	-	-	1	-	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	1	-	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	1	-	-	1	1	-	-	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	2	1	2	-	1	-	2	1	2	-	-	-
___(335) BY DISCHARGE OF FIREARMS	8	2	11	1	7	1	8	2	4	-	6	2
___(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	-	-	-	-	-	-	1	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	2	-	-	-	-	-	-	-	-	1
__ASSAULT (HOMICIDE)	-	-	1	-	2	-	1	1	1	-	-	-
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	-	-	-	-	-
___(340) BY DISCHARGE OF FIREARMS	-	-	1	-	2	-	1	1	-	-	-	-
___(341) BY SHARP OBJECT	-	-	-	-	-	-	-	-	-	-	-	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	1	-	-	-
__EVENT OF UNDETERMINED INTENT	-	3	3	3	1	-	2	-	-	-	-	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	2	2	1	1	-	1	-	-	-	-	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	1	-	-	-	-	-
___(351) FALLING, JUMPING OR PUSHED FROM A HIGH PLACE, UNDETERMINED INTENT	-	1	-	-	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	1	2	-	-	-	-	-	-	-	-
__LEGAL INTERVENTION	-	-	1	-	-	-	-	-	-	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	1	-	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	-	-	-	-	-	-	-	-	-	-	-
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	**416**	**360**	**613**	**476**	**637**	**728**	**915**	**1,681**
CERTAIN INFECTIOUS AND PARASITIC DISEASES	**4**	**7**	**9**	**4**	**6**	**12**	**9**	**11**
__INTESTINAL INFECTIOUS DISEASES	0	1	1	0	2	0	0	0
____OTHER INTESTINAL INFECTIOUS DISEASES	0	1	1	0	2	0	0	0
_____(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	0	1	1	0	2	0	0	0
__ZOONOTIC AND OTHER BACTERIAL DISEASES	2	4	4	3	4	9	7	11
____(18) SEPTICEMIA	2	4	4	2	4	9	7	11
____(19) OTHER ZOONOTIC AND BACTERIAL DISEASES	0	0	0	1	0	0	0	0
__VIRAL DISEASES	2	2	3	0	0	2	2	0
____(33) HERPESVIRAL (HERPES SIMPLEX) INFECTIONS	0	0	0	0	0	1	0	0
____(34) ZOSTER (HERPES ZOSTER)	0	0	0	0	0	1	1	0
____(38) VIRAL HEPATITIS	2	2	1	0	0	0	0	0
____HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	0	0	1	0	0	0	0	0
_____(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	0	0	1	0	0	0	0	0
_____(40) RESULTING IN MALIGNANT NEOPLASMS	0	0	0	0	0	0	0	0
_____(41) RESULTING IN OTHER SPECIFIED DISEASES	0	0	0	0	0	0	0	0
_____(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	0	0	0	0	0	0	0	0
____(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	0	0	1	0	0	0	1	0
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	0	0	1	1	0	1	0	0
____(48) MYCOSES	0	0	0	0	0	1	0	0
____(54) SEQUELAE OF POLIOMYELITIS	0	0	1	0	0	0	0	0
____(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	0	0	0	1	0	0	0	0
NEOPLASMS	**133**	**137**	**171**	**139**	**153**	**147**	**155**	**183**
__MALIGNANT NEOPLASMS	130	136	165	134	149	144	149	172
____MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	1	2	0	3	1	0	1	3
_____(57) OF TONGUE	0	1	0	1	0	0	0	0
_____(58) OF PHARYNX	1	1	0	0	0	0	0	0
_____(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	0	0	0	2	1	0	1	3
____MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	33	24	45	26	27	31	34	54
_____(60) OF ESOPHAGUS	8	5	3	5	1	2	3	2
_____(61) OF STOMACH	5	0	7	1	3	4	4	5
_____(62) OF SMALL INTESTINE	0	0	0	0	0	0	0	0
_____OF COLON, RECTUM AND ANUS	9	12	15	13	19	10	16	28
_____(63) COLON	6	11	13	13	19	8	15	22
_____(64) RECTOSIGMOID JUNCTION AND RECTUM	3	1	2	0	0	2	1	6
_____(65) ANUS AND ANAL CANAL	0	0	0	0	0	0	0	0
_____OF LIVER AND INTRAHEPATIC BILE DUCTS	2	2	6	1	2	6	3	3
_____(66) LIVER	1	0	2	1	1	4	3	1
_____(67) INTRAHEPATIC BILE DUCT CARCINOMA	1	2	4	0	1	2	0	2
_____(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	0	2	1	1	1	2	2	2
_____(69) OF PANCREAS	9	3	13	5	1	7	5	14
_____(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	0	0	0	0	0	0	1	0
____MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	49	40	61	44	41	31	28	28
_____(72) OF LARYNX	0	1	1	0	0	0	0	0
_____(73) OF TRACHEA, BRONCHUS AND LUNG	49	39	60	44	41	31	28	28
_____(74) OF THYMUS, HEART, MEDIASTINUM AND PLEURA	0	0	0	0	0	0	0	0
____(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	0	0	0	0	0	0	0	0
____MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	2	1	4	0	1	0	2	4
_____(77) MALIGNANT MELANOMA OF SKIN	1	1	2	0	1	0	2	3
_____(78) OTHER MALIGNANT NEOPLASMS OF SKIN	1	0	2	0	0	0	0	1
____MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	2	2	1	1	2	3	1	0
_____(79) MESOTHELIOMA	2	1	0	1	2	1	1	0
_____(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	0	1	1	0	0	2	0	0
____(82) MALIGNANT NEOPLASM OF BREAST	0	25	0	17	1	21	1	23
____MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	0	12	0	13	0	19	0	19
_____(83) OF VULVA AND VAGINA	0	1	0	0	0	1	0	1
_____(84) OF CERVIX UTERI	0	3	0	1	0	0	0	1
_____(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	0	2	0	4	0	6	0	9
_____(86) OF OVARY	0	6	0	8	0	12	0	7
_____(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	0	0	0	0	0	0	0	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	13	0	18	0	29	0	41	0
_____(89) OF PROSTATE	13	0	18	0	29	0	40	0
_____(90) OF TESTIS	0	0	0	0	0	0	1	0
_____(91) OF PENIS AND OTHER AND UNSPECIFIED MALE GENITAL ORGANS	0	0	0	0	0	0	0	0
___MALIGNANT NEOPLASMS OF URINARY TRACT	8	4	12	2	9	5	12	7
_____(92) OF KIDNEY AND RENAL PELVIS	4	4	8	2	2	3	6	2
_____(93) OF BLADDER	4	0	4	0	6	2	6	4
_____(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	0	0	0	0	1	0	0	1
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	0	0	0	0	1	0	0	1
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	3	2	4	2	3	0	0
_____(96) OF BRAIN	1	3	2	4	2	3	0	0
_____(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	0	0	0	0	0	0	0
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	0	1	0	0	1	3	0	2
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	7	11	10	15	12	14	17	17
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	13	11	12	9	22	14	12	14
_____(100) HODGKIN'S DISEASE	0	0	0	0	0	0	0	1
_____OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	4	5	4	3	8	5	3	5
_____(101) NON-HODGKIN'S LYMPHOMA	4	5	4	3	8	5	3	5
_____(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	0	0	0	0	1	0	1	0
_____(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	2	2	3	3	6	2	0	2
_____LEUKEMIA	7	4	5	3	7	7	8	6
_____(105) LYMPHOID LEUKEMIA	1	2	2	0	2	0	3	2
_____(106) MYELOID LEUKEMIA	5	1	2	3	5	4	4	2
_____(108) OTHER AND UNSPECIFIED LEUKEMIA	1	1	1	0	0	3	1	2
__BENIGN NEOPLASMS	0	0	0	0	0	0	0	2
___(111) OF FEMALE GENITAL ORGANS	0	0	0	0	0	0	0	1
___(113) OF OTHER AND UNSPECIFIED SITES	0	0	0	0	0	0	0	1
__(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	2	1	6	4	3	2	5	7
__(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	1	0	0	1	1	1	1	2
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	**0**	**2**	**1**	**0**	**3**	**5**	**4**	**7**
__ANEMIAS	0	0	0	0	1	2	4	3
___(116) NUTRITIONAL ANEMIAS	0	0	0	0	0	0	2	0
___(117) HEMOLYTIC ANEMIAS	0	0	0	0	0	1	0	1
___(118) APLASTIC ANEMIAS	0	0	0	0	1	0	0	0
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	0	0	0	0	0	1	2	2
__(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	0	2	1	0	0	3	0	4
__(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	0	0	0	0	2	0	0	0
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	**11**	**13**	**25**	**17**	**22**	**27**	**19**	**50**
__ENDOCRINE DISEASES	8	12	21	13	20	24	15	33
___(123) DISORDERS OF THYROID GLAND	0	0	1	0	0	0	1	3
___(124) DIABETES MELLITUS	8	12	20	13	20	24	14	28
___(128) OTHER ENDOCRINE DISEASES	0	0	0	0	0	0	0	2
__NUTRITIONAL DISEASES	3	0	1	0	0	2	0	9
___MALNUTRITION	2	0	0	0	0	2	0	8
_____(129) NUTRITIONAL MARASMUS	0	0	0	0	0	2	0	0
_____(130) OTHER AND UNSPECIFIED MALNUTRITION	2	0	0	0	0	0	0	8
___(131) OTHER NUTRITIONAL DEFICIENCIES	1	0	0	0	0	0	0	1
___(132) OBESITY AND OTHER HYPERALIMENTATION	0	0	1	0	0	0	0	0
__METABOLIC DISORDERS	0	1	3	4	2	1	4	8
___(133) CYSTIC FIBROSIS	0	0	0	0	0	0	0	0
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	0	0	0	4	1	0	3	6
___(135) OTHER METABOLIC DISORDERS	0	1	3	0	1	1	1	2
MENTAL AND BEHAVIORAL DISORDERS	**4**	**2**	**10**	**2**	**12**	**29**	**35**	**99**
__(136) ORGANIC DEMENTIA	0	0	7	2	12	26	33	94
__(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	1	0	0	0	0	0	0	4
__MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	3	1	3	0	0	2	0	0
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	3	0	2	0	0	2	0	0
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	0	1	1	0	0	0	0	0
__(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	0	1	0	0	0	1	1	0
__(141) MOOD (AFFECTIVE) DISORDERS	0	0	0	0	0	0	1	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH -- LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
_(143) MENTAL RETARDATION	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	**16**	**7**	**21**	**33**	**40**	**48**	**53**	**163**
_(145) MENINGITIS	-	-	-	-	-	-	-	-
_(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	-	-	-	-	-	1	-	-
_(147) PARKINSON'S DISEASE	2	-	8	7	9	8	11	14
_(148) ALZHEIMER'S DISEASE	6	4	8	19	24	32	39	142
_(149) MULTIPLE SCLEROSIS	1	2	-	-	1	1	1	-
_(150) EPILEPSY	-	-	-	-	-	-	-	-
_(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	-	-	-	-	-	-	-	2
_(152) INFANTILE CEREBRAL PALSY	-	-	-	-	-	1	-	-
_(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	7	1	5	7	6	5	2	5
DISEASES OF THE CIRCULATORY SYSTEM	**147**	**86**	**217**	**144**	**228**	**255**	**386**	**710**
_ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	3	3	2	-	-	4	4	3
___(156) ACUTE RHEUMATIC FEVER	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	3	3	2	-	-	4	4	3
_____157) RHEUMATIC MITRAL VALVE DISEASE	-	1	2	-	-	2	2	3
_____(159) OISORDERS OF BOTH MITRAL AND AORTIC VALVES	1	-	-	-	-	-	2	-
_____(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	2	2	-	-	-	2	-	-
_HYPERTENSIVE DISEASES	1	4	6	6	4	13	11	41
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	1	2	2	4	3	3	3	11
___(162) HYPERTENSIVE HEART DISEASE	-	-	2	2	-	7	3	16
___(163) HYPERTENSIVE RENAL DISEASE	-	2	2	-	1	3	5	10
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	-	-	-	-	-	-	-	4
_ISCHEMIC HEART DISEASES	80	41	111	57	98	84	164	206
___(165) ACUTE MYOCARDIAL INFARCTION	34	18	46	24	39	35	69	80
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	-	-	-	-	1	1	-	1
___OTHER FORMS OF CHRONIC ISHCEMIC HEART DISEASE	46	23	65	33	58	48	95	125
_____(167(ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	11	5	12	6	7	9	12	20
_____(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	35	18	53	27	51	39	83	105
_OTHER HEART DISEASES	29	15	46	36	51	70	96	204
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	4	2	4	5	3	7	2	7
_____(169) PULMONARY EMBOLISM	3	2	2	1	1	3	2	4
_____(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	1	-	2	4	2	4	-	3
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	25	13	42	31	48	63	94	197
_____(171) ACUTE AND SUBACUTE ENDOCARDITIS	-	-	1	-	-	-	-	-
_____(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	1	-	-	-	-	-	-	1
_____OTHER DISEASES OF ENDOCARDIUM	3	1	5	6	12	13	12	38
_____(173) NONRHEUMATIC MITRAL VALVE DISORDERS	-	-	2	-	1	2	1	7
_____(174) NONRHEUMATIC AORTIC VALVE DISORDERS	1	-	-	5	4	7	6	18
_____(175) ALL OTHER DISEASES OF ENDOCARDIUM	2	1	3	1	7	4	5	13
_____(176) CARDIOMYOPATHY	4	5	11	1	5	2	4	10
_____(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	6	5	8	9	12	9	15	39
_____HEART FAILURE	7	2	15	12	17	34	58	103
_____(178) CONGESTIVE HEART FAILURE	4	2	12	10	16	33	55	102
_____(179) OTHER AND UNSPECIFIED HEART FAILURE	3	-	3	2	1	1	3	1
_____(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	-	-	-	-	-	-	-	1
_____(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	4	-	2	3	2	5	5	5
_CEREBROVASCULAR DISEASE	22	19	37	37	59	73	90	219
___(182) SUBARACHNOID HEMORRHAGE	-	2	-	2	-	1	2	6
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	4	10	10	10	9	8	4	15
___(184) CEREBRAL INFARCTION	2	1	4	3	2	7	6	9
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	10	6	17	17	39	40	61	144
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	6	-	6	5	9	17	17	45
_DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	11	4	15	6	15	10	20	32
___(187) ATHEROSCLEROSIS	1	-	3	2	3	6	8	13
___(188) AORTIC ANEURYSM AND DISSECTION	8	4	8	2	8	3	7	10
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	2	-	4	2	4	1	5	9
_OTHER DISORDERS OF CIRCULATORY SYSTEM	1	-	-	2	1	1	1	5
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	1	-	-	1	-	1	1	5
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	-	-	-	1	1	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONTINUED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE RESPIRATORY SYSTEM	**53**	**58**	**92**	**75**	**96**	**116**	**146**	**195**
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	53	58	92	75	96	116	146	195
___(195) INFLUENZA	-	-	1	-	1	1	-	2
___PNEUMONIA	8	2	15	6	20	25	52	80
_____(196) VIRAL PNEUMONIA, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	1	1
_____(197) BACTERIAL PNEUMONIA	1	-	-	1	-	1	2	2
_____(198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	7	2	15	5	20	24	49	77
___OTHER ACUTE LOWE RESPIRATORY INFECTIONS	-	-	1	-	-	-	-	-
_____(199) ACURE BRONCHITIS AND BRONCHIOLITIS	-	-	1	-	-	-	-	-
___(201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	-	-	-	-	-	-	-	2
___CHRONIC LOWER RESPIRATORY DISEASE	33	49	60	61	54	74	56	75
_____BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	32	49	59	61	54	74	56	75
_____(202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	-	-	-	-	-	1	-	1
_____(203) CHRONIC BRONCHITIS	-	-	-	-	-	-	1	-
_____(204) EMPHYSEMA	2	6	9	7	9	10	2	7
_____(205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	29	42	50	54	45	60	52	60
_____(206) ASTHMA	1	1	-	-	-	3	1	7
_____(207) BRONCHIECTASIS	1	-	1	-	-	-	-	-
___LUNG DISEASES DUE TO EXTERNAL AGENTS	5	2	6	3	15	7	23	19
_____(208) PNEUMDNCONIOSES AND CHEMICAL EFFECTS	1	-	2	-	2	-	2	-
_____PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	4	2	4	3	13	7	21	19
_____(209) PNEUMONITIS DUE TO FOOD AND VOMIT	4	2	4	3	13	7	21	19
___(212) SUPPURATIVE AND NECROTIC CONDITIONS DF LOWER RESPIRATORY TRACT	-	-	-	-	-	-	1	-
___(213) PLEURAL EFFUSION AND PLAQUE	-	-	-	-	-	1	-	1
___(214) ALL OTHER DISEASES DF RESPIRATORY SYSTEM	7	5	9	5	6	8	14	16
DISEASES OF THE DIGESTIVE SYSTEM	**13**	**14**	**23**	**22**	**24**	**24**	**24**	**57**
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	13	14	23	22	24	24	24	57
___(216) DISEASES OF ESOPHAGUS	2	-	-	-	-	1	3	2
___PEPTIC ULCER	-	-	-	1	-	1	-	1
_____(217) GASTRIC ULCER	-	-	-	-	-	-	-	1
_____(218) DUODENAL ULCER	-	-	-	1	-	-	-	-
_____(219) PEPTIC ULCER, SITE UNSPECIFIED	-	-	-	-	-	1	-	-
___(222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	-	2	-	-	-	-	-	2
___(223) DISEASES OF APPENDIX	-	-	-	1	-	1	-	1
___(224) HENIA	-	1	-	-	1	-	1	2
___(225) CROHN'S DISEASE AND ULCERATIVE COLITIS	-	-	1	-	1	-	-	1
___(226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	2	-	3	6	2	5	4	18
___(227) DIVERTICULAR DISEASE OF INTESTINE	1	-	-	2	1	3	1	2
___(228) OTHER DISEASES OF INTESTINES AND PERITONEUM	-	1	1	1	-	1	1	4
___(229) DISEASES OF PERITONEUM	1	-	1	-	1	1	-	1
___DISEASES OF LIVER	7	6	9	10	7	4	2	3
_____(230) ALCHOLIC LIVER DISEASE	4	-	5	1	-	1	-	1
_____(231) CHRONIC HEPATITIS, NOT ELSEWHERE CLASSIFIED	-	1	-	-	-	-	-	-
_____(232) FIBROSIS AND CIRRHOSIS OF LIVER	2	2	3	8	2	3	2	2
_____(233) OTHER DISEASES OF LIVER	1	3	1	1	5	-	-	-
___(234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	-	1	-	1	2	1	1	5
___DISORDERS OF BILIARY TRACT AND PANCREAS	-	1	5	-	4	-	-	3
_____(235) PANCREATITIS	-	-	3	-	3	-	-	2
_____(236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	-	1	2	-	1	-	-	1
___(237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	-	2	3	-	5	6	11	12
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	-	1	1	1	-	-	-	6
__(238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	-	1	1	-	-	-	-	5
__(239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	-	-	-	1	-	-	-	1
DISEASES OF THE MUSCUOLSKELETAL SYSTEM AND CONNECTIVE TISSUE	2	11	6	10	2	9	5	23
__(240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHROPATHIES	1	5	2	1	2	4	-	2
__(241) SYSTEMIC LUPUS ERYTHEMATOSUS	-	-	-	-	-	-	-	-
__(242) OTHER ARTHROPATHIES AND RELATED DISORDERS	-	4	1	5	-	4	1	7
__(243) DORSOPATHIES	-	1	1	1	-	-	1	1
__(244) SOFT TISSUE DISORDERS	1	-	-	-	-	-	-	-
__OSTEOPATHIES, CHRONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	-	1	2	3	-	1	3	13

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(245) OSTEOPOROSIS	-	-	2	2	-	-	2	11
DISEASES OF THE GENITOURINARY SYSTEM	**5**	**5**	**10**	**13**	**15**	**18**	**25**	**41**
__DISEASES OF URINARY SYSTEM	5	5	9	13	15	18	25	41
____GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	-	1	1	2	-	1	1	2
_____GLOMERULAR DISEASES	-	-	1	-	-	-	-	-
_____(249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	-	-	1	-	-	-	-	-
_____(250) RENAL TUBULO-INTERSTITIAL DISEASES	-	1	-	2	-	1	1	2
____(251) RENAL FAILURE	2	4	8	7	13	9	20	24
____(254) URINARY TRACT INFECTIONS, SITE NOT SPECIFED	1	-	-	3	2	8	4	13
____(255) OTHER DISEASES OF URINARY TRACT	2	-	-	1	-	-	-	2
__DISEASES DF MALE GENITAL ORGANS	-	-	1	-	-	-	-	-
____(257) OTHER DISEASES OF MALE GENITAL ORGANS	-	-	1	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	-	-	-	-	-	-	-	-
____(259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	-	-	-	-	-	-	-	-
__(275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
__(276) BIRTH TRAUMA	-	-	-	-	-	-	-	-
__(277) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	-	-	-	-	-	-	-	-
__(279) OTHER RESPIRATDRY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
__(281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	-	-	-	1	-	1	1	4
__(282) ANENCEPHALY AND SIMILAR MALFORMATIONS	-	-	-	-	-	-	-	-
__(284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	-	-	-	-	-	-	-	-
__(285(CONGENITAL MALFORMATIONS OF HEART	-	-	-	-	-	-	-	1
__(286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	-	-	-	1	-	1	1	2
__(287) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	-	-	-	-	-	-	-	-
__(288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	-	-	-	-	-	-	-	-
__(289) DOWN'S SYNDROME	-	-	-	-	-	-	-	1
__(290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	**4**	**6**	**9**	**7**	**11**	**17**	**21**	**77**
__(291) SENILITY	-	-	-	-	1	5	8	33
__ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	3	2	8	6	7	9	10	29
____(292) SUDDEN INFANT DEATH SYNDROME	-	-	-	-	-	-	-	-
____(293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	3	2	8	6	7	9	10	29
__(294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	1	4	1	1	3	3	3	15
EXTERNAL CAUSES OF MORTALITY	**24**	**11**	**18**	**8**	**25**	**20**	**32**	**55**
__ACCIDENTS	17	7	12	6	21	20	29	53
____TRANSPORT ACCIDENTS	10	4	6	1	7	5	4	1
_____(295) RAILWAY ACCIDENTS	1	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENTS	8	3	5	1	6	5	4	1
_____(296) PEDESTRIAN COLLISION WITH MOTOR VEHICLE	1	-	-	-	-	-	-	-
_____(297) PEDALCYCLIST COLLISION WITH MOTOR VEHICLE	-	-	-	-	-	-	-	-
_____(298) MOTORCYCLIST ANY ACCIDENT EXCEPT COLLISION WITH RAILWAY CAR	1	-	-	-	-	-	-	-
_____MOTOR VEHICLE ACCIDENT WITH RAILWAY TRAIN	-	-	1	-	-	-	-	-
_____(300) OTHER MOTOR VEHICLE COLLISION WITH RAILWAY TRAIN	-	-	1	-	-	-	-	-
_____(301) MDTDR VEHICLE COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIAN	-	1	-	-	-	-	-	-
_____(302) CAR, PICKUP TRUCK OR VAN COLLISION WITH OTHER MOTOR VEHICLE	3	-	3	-	2	2	2	-
_____(304) MOTOR VEHICLE NONCOLLISION ACCIDENT	-	2	-	-	3	2	2	1
_____(305) SPECIAL-USE MOTOR VEHICLE ANY ACCIDENT	2	-	-	1	-	-	-	-
_____(306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	1	-	1	-	1	1	-	-
_____(308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	-	-	-	-	1	-	-	-
_____(309) WATER TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(310) AIR AND SPACE TRANSPORT ACCIDENTS	-	-	-	-	-	-	-	-
_____(311) OTHER AND UNSPECIFIED TRANSPDRT ACCIDENTS AND THEIR SEQUELAE	1	1	1	-	-	-	-	-
____FALLS	4	3	3	4	8	10	16	43
_____(312) FALL ON SAME LEVEL	2	-	2	2	3	4	6	22
_____(313) FALL FROM ONE LEVEL TO ANOTHER	2	2	-	1	2	1	2	2
_____(314) UNSPECIFIED FALL	-	1	1	1	3	5	8	19
____(315) ACCIDENTAL DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-1 (CONCLUDED)

FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH*	70 - 74 YEARS		75 - 79 YEARS		80 - 84 YEARS		85 OR OLDER	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(317) ACCIDENTAL DROWNING AND SUBMERSION	-	-	1	-	1	-	1	-
___(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	-	-	-	-	-	3	-	1
___(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	2	-	-	-	-	-	-	-
___(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	-	-	-	-	-	-	-	-
___(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	-	-	-	-	1	-	1	-
___(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	-	-	-	-	-	-	-	-
___ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	-	-	-	-	-	-	3	-
_____(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	-	-	-	-	-	3	-
_____(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	-	-	-	-	-	-	-	-
___(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	1	-	2	1	4	2	4	8
__INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	7	2	6	2	4	-	2	-
___(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	-	1	1	-	-	-	-	-
___(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	-	-	-	-	-	-	-	-
___(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	-	-	-	1	1	-	-	-
___(334) BY HANGING, STRANGULATION AND SUFFOCATION	-	1	1	-	-	-	1	-
___(335) BY DISCHARGE OF FIREARMS	7	-	4	1	3	-	1	-
___(336) BY JUMPING FROM A HIGH PLACE	-	-	-	-	-	-	-	-
___(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__ASSAULT (HOMICIDE)	-	1	-	-	-	-	-	1
___(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	-	-	-	-	-	-	-	-
___(339) BY HANGING, STRANGULATION AND SUFFOCATION	-	-	-	-	-	-	-	1
___(340) BY DISCHARGE OF FIREARMS	-	-	-	-	-	-	-	-
___(341) BY SHARP OBJECT	-	1	-	-	-	-	-	-
___(342) BY BLUNT OBJECT	-	-	-	-	-	-	-	-
___(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__EVENT OF UNDETERMINED INTENT	-	-	-	-	-	-	1	-
___(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
___(351) DISCHARGE OF FIREARMS, UNDTERMINED INTENT	-	-	-	-	-	-	-	-
___(351) FALLING, JUMPING OR PUSHED FROM A HIGH PLACE, UNDETERMINED INTENT	-	-	-	-	-	-	-	-
___(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	-	-	-	-	-	-	1	-
__LEGAL INTERVENTION	-	-	-	-	-	-	-	-
___(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	-	-	-	-	-	-	-	-
__COMPLICATIONS OF MEDICAL AND SURGICAL CARE	-	1	-	-	-	-	-	1
___(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	-	1	-	-	-	-	-	1

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2.

TABLE D-2

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat Am	OTHER	TOTAL	WHITE	Nat Am	OTHER	TOTAL	WHITE	Nat Am	OTHER
ALL CAUSES	6,473	6,003	433	37	4,173	3,908	243	22	4,300	4,095	190	15
(3) CERTAIN OTHER INTESTINAL INFECTIONS	4	4	-	-	3	3	-	-	1	1	-	-
(9#) SEPTICEMIA	**66**	**57**	**8**	**1**	**30**	**24**	**5**	**1**	**36**	**33**	**3**	**-**
(14#) VIRAL HEPATITIS	**13**	**10**	**2**	**1**	**8**	**7**	**1**	**-**	**5**	**3**	**1**	**1**
(15#) HUMAN IMMUNODEFICIENCY VIRUS (HIV)	**6**	**6**	**-**	**-**	**6**	**6**	**-**	**-**	**-**	**-**	**-**	**-**
(17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	20	18	2	-	12	11	1	-	8	7	1	-
(#) MALIGNANT NEOPLASMS	1,901	1,807	65	9	959	913	40	6	942	894	45	3
(18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	17	17	-	-	7	7	-	-	10	10	-	-
(19) MALIGNANT NEOPLASM OF ESOPHAGUS	50	49	1	-	33	33	-	-	17	16	1	-
(20) MALIGNANT NEOPLASM OF STOMACH	42	41	1	-	27	26	1	-	15	15	-	-
(21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	184	173	8	2	100	92	8	-	84	81	1	2
(22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	42	40	1	1	29	27	1	1	13	13	-	-
(23) MALIGNANT NEOPLASMS OF PANCREAS	89	85	4	-	45	43	2	-	44	42	2	-
(24) MALIGNANT NEOPLASM OF LARYNX	7	7	-	-	4	4	-	-	3	3	-	-
(25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	527	495	28	4	287	269	14	4	240	226	14	-
(26) MALIGNANT MELANOMA OF SKIN	28	27	1	-	18	17	1	-	10	10	-	-
(27) MALIGNANT NEOPLASM OF BREAST	152	145	7	-	2	2	-	-	150	143	7	-
(28) MALIGNANT NEOPLASM OF CERVIX UTERI	9	6	3	-	-	-	-	-	9	6	3	-
(29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS,PART UNSPECIFIED	31	30	1	-	-	-	-	-	31	30	1	-
(30) MALIGNANT NEOPLASM OF OVERY	64	64	-	-	-	-	-	-	64	64	-	-
(31) MALIGNANT NEOPLASM OF PROSTRATE	110	107	2	1	110	107	2	1	-	-	-	-
(32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	51	49	2	-	33	32	1	-	18	17	1	-
(33) MALIGNANT NEOPLASM OF BLADDER	39	38	1	-	28	27	1	-	11	11	-	-
(34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	46	41	5	-	22	22	-	-	24	19	5	-
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	**171**	**167**	**4**	**-**	**99**	**96**	**3**	**-**	**72**	**71**	**1**	**-**
(35) HODGKIN'S DISEASE	4	4	-	-	2	2	-	-	2	2	-	-
(36) NON-HODGKIN'S LYMPHOMIA Non-Hodgkin's lymphoma	63	63	-	-	36	36	-	-	27	27	-	-
(37) LEUKEMIA	69	68	1	-	42	41	1	-	27	27	-	-
(38) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	35	32	3	-	19	17	2	-	16	15	1	-
(40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	**242**	**226**	**15**	**1**	**115**	**109**	**6**	**-**	**127**	**117**	**9**	**1**
(41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	**47**	**46**	**1**	**-**	**23**	**23**	**-**	**-**	**24**	**23**	**1**	**-**
(42#) ANEMIAS	**11**	**11**	**-**	**-**	**5**	**5**	**-**	**-**	**6**	**6**	**-**	**-**
(43#) DIABETES MELLITUS	**211**	**192**	**19**	**-**	**102**	**94**	**8**	**-**	**109**	**96**	**11**	**-**
(#) NUTRITIONAL DEFICIENCIES	18	14	2	-	3	2	1	-	13	12	1	-
(44) MALNUTRITION	14	12	2	-	2	1	1	-	12	11	1	-
(45) OTHER NUTRITIONAL DEFICIENCIES	**2**	**2**	**-**	**-**	**1**	**1**	**-**	**-**	**1**	**1**	**-**	**-**
(46#) MENINDITIS	**2**	**2**	**-**	**-**	**2**	**2**	**-**	**-**	**-**	**-**	**-**	**-**
(47#) PAKINSON'S DISEASE	**61**	**57**	**3**	**1**	**32**	**29**	**2**	**1**	**29**	**26**	**1**	**-**
(48#) ALZHEIMER'S DISEASE	**284**	**277**	**5**	**2**	**82**	**61**	**1**	**-**	**202**	**196**	**4**	**2**
MAJOR CARDIOVASCULAR DISEASES	**2,761**	**2,667**	**86**	**6**	**1,367**	**1,311**	**53**	**3**	**1,394**	**1,356**	**35**	**3**
(#) DISEASES OF HEART	1,931	1,860	68	3	1,028	983	44	1	903	877	24	2
(49) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	23	23	-	-	11	11	-	-	12	12	-	-
(50) HYPERTENSIVE HEART DISEASE	40	38	1	1	11	10	1	-	29	28	-	1
(51) HYPERTENSIVE HEART AND RENAL DISEASE	**4**	**4**	**-**	**-**	**-**	**-**	**-**	**-**	**4**	**4**	**-**	**-**
ISCHEMIC HEART DISEASES	1,179	1,134	45	-	698	669	29	-	481	465	16	-
(52) ACUTE MYOCARDIAL INFARCTION	504	491	13	-	308	299	9	-	196	192	4	-
(53) OTHER ACUTE ISCHEMIC HEART DISEASES	**3**	**2**	**1**	**-**	**1**	**1**	**-**	**-**	**2**	**1**	**1**	**-**
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	672	641	31	-	389	369	20	-	283	272	11	-
(54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	141	139	2	-	84	82	2	-	57	57	-	-
(55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	531	502	29	-	305	287	18	-	226	215	11	-
(60#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSIVE RENAL RENAL DISEASE	58	54	4	-	22	20	2	-	36	34	2	-
(61#) CEREBROVASCULAR DISEASES	638	624	11	3	243	239	2	2	395	385	9	1
(62#)ATHEROSCLEROSIS	40	40	-	-	18	18	-	-	22	22	-	-
OTHER DISEASES OF CIRCULATORY SYSTEM	94	89	5	-	56	51	5	-	38	38	-	-
(63#) AORTIC ANEURYSM AND DISSECTION	60	56	4	-	38	34	4	-	22	22	-	-
(64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	34	33	1	-	18	17	1	-	16	16	-	-
(65) OTHER DISORDERS OF CIRCULATORY SYSTEM	17	16	-	1	7	7	-	-	10	9	-	1
(#) INFLUENZA AND PNEUMONIA	254	245	9	-	119	114	5	-	135	131	4	-
(66) INFLUENZA	7	7	-	-	4	4	-	-	3	3	-	-
(67) PNEUMONIA	247	238	9	-	115	110	5	-	132	128	4	-
OTHER ACUTE LOWER RESPIRATORY INFECTIONS	**2**	**2**	**-**	**-**	**1**	**1**	**-**	**-**	**1**	**1**	**-**	**-**
(#) CNRONIC LOWER RESPIRATORY DISEASE	**573**	**552**	**20**	**1**	**263**	**254**	**9**	**-**	**310**	**296**	**11**	**1**

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3 THOSE MARKED WITH A # SION ARE RANKABLE AS LEADING CAUSES.

TABLE D-2, (CONCLUDED)

FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2002

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat Am	OTHER	TOTAL	WHITE	Nat Am	OTHER	TOTAL	WHITE	Nat Am	OTHER
(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	3	3	-	-	1	1	-	-	2	2	-	-
(71) EMPHYSEMIA	67	61	6	-	33	29	4	-	34	32	2	-
(72) ASTHMA	18	18	-	-	4	4	-	-	14	14	-	-
(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	485	470	14	1	225	220	5	-	260	250	9	1
(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	7	7	-	-	7	7	-	-	-	-	-	-
(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	78	75	3	-	45	43	2	-	33	32	1	-
(76) OTHER DISEASES OF RESPIRATORY SYSTEM	90	86	4	-	45	42	3	-	45	44	1	-
(77#) PEPTIC ULCER	7	6	1	-	3	2	1	-	4	4	-	-
(78#) DISEASES OF APPENDIX	4	3	1	-	1	-	1	-	3	3	-	-
(79#) HERNIA	5	5	-	-	2	2	-	-	3	3	-	-
(#) CHRONIC LIVER DISEASE AND CIRRHOSIS	124	93	30	1	79	62	17	-	45	31	13	1
(80) ALCOHOLIC LIVER DISEASE	74	51	23	-	53	39	14	-	21	12	9	-
(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	50	42	7	1	26	23	3	-	24	19	4	1
(82#) CHOLETITHIASIS AND OTHER DISORDERS OF GALLBLADDER	15	15	-	-	7	7	-	-	8	8	-	-
(#) NEPHRITIS, NEPHROTICSYNDROM AND NEPHROSIS	104	100	4	-	53	50	3	-	51	50	1	-
(84) CHRONIC GLOMERULONEPHRITIS-NEPHRITIS NOT SPECIFIED AS ACUTE OR CHRONIC, RENAL SCLEROSIS UNSPECIFIED	1	1	-	-	1	1	-	-	-	-	-	-
(85) RENAL FAILURE	103	99	4	-	52	49	3	-	51	50	1	-
(87#) INFECTIONS OF KIDNEY	6	6	-	-	1	1	-	-	5	5	-	-
(88#) INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	1	-	-	-	-	-	-	1	1	-	-
(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	29	20	7	2	20	12	6	2	9	8	1	-
(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	41	41	-	-	11	11	-	-	30	30	-	-
(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHER E CLASSIFIED	216	208	8	2	76	71	5	2	140	137	3	-
(95) ALL OTHER DISEASES (RESIDUAL)	736	707	28	1	283	270	13	-	453	437	15	1
(#) ACCIDENTS	523	438	76	9	335	283	45	7	188	155	31	2
TRANSPORT ACCIDENTS	273	211	55	7	194	156	32	6	79	55	23	1
(96) MOTOER VEHICLE ACCIDENTS	250	191	52	7	175	139	30	6	75	52	22	1
(97) OTHER LAND TRANSPORT ACCIDENTS	9	6	3	-	7	5	2	-	2	1	1	-
(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	14	14	-	-	12	12	-	-	2	2	-	-
NONTRANSPORT ACCIDENTS	250	227	21	2	141	127	13	1	109	100	8	1
(#) INTENTIAL SELF-HARM (SUICIDE)	162	171	11	-	148	140	8	-	34	31	3	-
(105) INTENTIAL SELF HARM (SUICIDE) BY DISCHARGE OF FIEARMS	114	107	7	-	101	95	6	-	13	12	1	-
(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	68	64	4	-	47	45	2	-	21	19	2	-
(#) ASSAULT (HOMICIDE)	23	13	10	-	14	7	7	-	9	6	3	-
(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	9	7	2	-	5	4	1	-	4	3	1	-
(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	14	6	8	-	9	3	6	-	5	3	2	-
(109#) LEGAL INTERVENTION	2	-	2	-	2	-	2	-	-	-	-	-
EVENTS OF UNDETERMINED INTENT	24	20	4	-	13	9	4	-	11	11	-	-
(110) DISCHARGE OF FIREARMS, UNDETERMINED INTENT	4	2	2	-	3	1	2	-	1	1	-	-
(111) OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	20	18	2	-	10	8	2	-	10	10	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED

**LIST OF 113 SELECTED UNDERLYIND CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-3

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2002*

ICD-09			810-825		800-807 826-849		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10 9 G31 2		C00-C97 9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	514	136.7	5	1 3	509	135 4	56	14 9	157	41 7
1915	556	118 8	31	6 6	525	112 2	66	14 1	223	47 6
1920	473	86 3	45	8 2	428	78 1	10	1 8	282	51 4
1925	505	93 0	98	18 1	407	75.0	41	7 6	379	69 8
1930	498	92 6	106	19 7	392	72 9	69	12 8	424	78 9
1935	552	100 5	161	29 3	391	71 2	14	2 5	528	96 2
1940	539	96 3	154	27 5	385	68 8	41	7 3	640	114 4
1945	498	98 7	118	23 4	380	75 3	13	2 6	658	130 4
1946	517	99 1	166	31 8	351	67 3	15	2 9	662	126 8
1947	537	99 6	157	29 1	380	70.5	19	3 5	712	132 0
1948	575	103 3	165	29 6	410	73 7	14	2 5	724	130 1
1949	552	96 2	152	26 5	400	69 7	17	3 0	729	127 0
1950	545	92 2	190	32 1	355	60 1	14	2 4	733	124 0
1951	525	88 1	187	31 4	338	56 7	17	2 9	726	121 8
1952	564	93 7	235	39 0	329	54 7	13	2 2	798	132 6
1953	534	86 7	228	37 0	306	49 7	17	2 8	809	131 3
1954	531	85 1	219	35.1	312	50 0	19	3 0	871	139 6
1955	549	86.3	239	37 6	310	48.7	28	4 4	829	130.3
1956	574	87 5	265	40 4	309	47 1	22	3 4	931	141 9
1957	541	81.1	219	32 8	322	48 3	20	3 0	873	130.9
1958	497	74 6	206	30.9	291	43 7	18	2.7	838	125 8
1959	565	84 5	258	38 6	307	45 9	15	2 2	920	137.5
1960	510	75 6	226	33 5	284	42 1	13	1.9	958	142.0
1961	518	76 0	270	39 6	248	36 4	18	2 6	965	141.5
1962	550	77 6	232	32 7	318	44 9	19	2 7	911	128 5
1963	517	73 1	218	30 8	299	42 3	12	1 7	896	126 7
1964	648	91 9	250	35 5	398	56 5	13	1 8	986	139 9
1965	591	83 7	268	38 0	323	45 8	14	2 0	933	132 2
1966	560	79 8	265	37 7	295	42 0	24	3 4	969	138 0
1967	607	86 6	318	45 4	289	41 2	12	1 7	1,004	143 2
1968	535	77 2	262	37 8	273	39 4	29	4 2	1,080	155 8
1969	635	91 5	329	47 4	306	44 1	10	1 4	1,041	150 0
1970	571	82 2	290	41 8	281	40 5	25	3 6	1,059	152.5
1971	609	85 8	310	43 7	299	42.1	19	2 7	1,050	147.9
1972	635	88 3	360	50.1	275	38 2	17	2 4	1,122	156 1
1973	611	84 7	324	44.9	287	39 8	20	2 8	1,061	147 2
1974	559	76 1	272	37.0	287	39 0	14	1 9	1,130	153 7
1975	584	78 1	282	37 7	302	40 4	28	3 7	1,105	147.7
1976	579	76 9	291	38 6	288	38 2	23	3 1	1,191	158 2
1977	574	75 4	302	39 7	272	35.7	25	3 3	1,184	155 6
1978	558	71 1	276	35 2	282	35 9	23	2.9	1,233	157 1
1979	596	75 8	313	39 8	283	36 0	22	2 8	1,240	157 8
1980	570	72 5	311	39.5	259	32 9	25	3 2	1,291	164 1
1981	553	69.7	308	38 8	245	30 9	32	4 0	1,343	169 4
1982	471	58 8	236	29.5	235	29 3	30	3.7	1,384	172 8
1983	516	63 2	267	32 7	249	30 5	16	2 0	1,350	165 2
1984	440	53 4	233	28 3	207	25 1	18	2 2	1,467	178 0
1985	417	50 5	210	25 4	207	25 1	20	2 4	1,445	174 9
1986	403	49 2	228	27 8	175	21 4	27	3 3	1,475	180 1
1987	416	51 4	223	27 6	193	23 9	22	2 7	1,516	187 4
1988	368	45 7	200	24 8	168	20 9	22	2 7	1,561	193 9
1989	360	44 7	171	21 2	189	23 5	16	2 0	1,593	197.7
1990	398	49 8	210	26 3	188	23 5	21	2 6	1,630	204 0
1991	384	47 5	183	22 6	201	24 9	19	2 4	1,656	205 0
1992	399	48 4	182	22 1	217	26 3	29	3.5	1,710	207 6
1993	375	44 7	182	21 7	193	23 0	26	3 1	1,738	207 2
1994	391	45 7	192	22 4	199	23 2	31	3 6	1,740	203 2
1995	374	43 0	191	21 9	183	21 0	21	2 4	1,765	202 8
1996	396	45 0	191	21 7	205	23 3	23	2 6	1,762	200 4
1997	443	50 4	230	26 2	213	24 2	18	2 0	1,779	202 4
1998	463	52 6	219	24 9	244	27 7	34	3 9	1,816	206 3
1999	461	52 2	191	21 6	270	30 6	22	2 5	1,845	209 0
2000	484	53 6	228	25 3	256	28 4	29	3 2	1,861	206 3
2001	468	51 7	209	23 1	259	28 6	35	3 9	1,952	215 8
2002	524	57 6	251	27 6	273	30 0	30	3.3	1,901	209 0

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19 4-V19.8, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1,V83-V86, V87.0-V87.8, V88.0-V88 8, V89 0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.3-X59, Y85-Y86

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR*
MONTANA, 1910-2002*

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-C14 9		I00-I09 9, I11, I13, I120-I51		X85-Y09 9 Y87 1		N00-N07 9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1910	38	10 1	257	68 3	37	9 8	222	59 0	282	75 0	81	21 5
1915	65	13 9	407	87 0	53	11 3	339	72 4	511	109 2	103	22 0
1920	60	10 9	428	78 1	46	8 4	273	49 8	576	105.0	86	15 7
1925	64	11 8	672	123 8	51	9 4	301	55 4	437	80 5	102	18 8
1930	87	16 2	759	141 2	57	10 6	395	73 5	425	79 1	136	25.3
1935	112	20 4	1,299	236 6	34	6 2	355	64 7	674	122 8	96	17 5
1940	109	19 5	1,447	258 6	29	5 2	295	52 7	321	57 4	120	21 4
1945	129	25 6	1,603	317 7	19	3 8	279	55 3	196	38 8	79	15 7
1946	137	26 3	1,629	312 1	22	4 2	276	52 9	235	45 0	98	18 8
1947	130	24 1	1,690	313 4	14	2 6	266	49 3	223	41 4	96	17 8
1948	118	21 2	1,803	324 0	15	2 7	247	44 4	189	34 0	88	15 8
1949	102	17 8	2,002	348 9	21	3 7	129	22 5	144	25 1	89	15 5
1950	49	8 3	1,957	331 1	24	4 1	80	13 5	157	26 6	123	20 8
1951	58	9 7	2,159	362 2	15	2.5	85	14 3	121	20 3	85	14 3
1952	83	13 8	2,032	337 5	17	2 8	120	19 9	147	24 4	84	14 0
1953	73	11 9	2,164	351.3	23	3 7	77	12 5	180	29 2	106	17 2
1954	95	15 2	2,128	341 0	29	4 6	90	14 4	179	28 7	104	16 7
1955	108	17 0	2,116	332.7	21	3 3	94	14 8	155	24 4	79	12 4
1956	98	14 9	2,165	330 0	32	4 9	83	12 7	211	32 2	98	14 9
1957	118	17 7	2,290	343 3	23	3 4	71	10 6	249	37 3	105	15 7
1958	109	16 4	2,244	336 9	17	2 6	53	8 0	260	39 0	101	15 2
1959	123	18 4	2,382	356 1	29	4 3	58	8 7	231	34 5	97	14 5
1960	102	15 1	2,332	345 6	25	3 7	51	7 6	227	33 6	107	15 9
1961	117	17 2	2,269	332 7	21	3 1	41	6 0	219	32 1	96	14 1
1962	121	17 1	2,204	310 9	21	3 0	63	8 9	195	27 5	110	15 5
1963	125	17 7	2,340	331 0	22	3 1	42	5 9	218	30 8	115	16 3
1964	139	19 7	2,368	335 9	30	4 3	45	6 4	226	32 1	80	11 3
1965	114	16 1	2,297	325 4	20	2 8	35	5 0	198	28 0	94	13 3
1966	106	15 1	2,415	344 0	23	3 3	42	6 0	230	32 8	96	13 7
1967	143	20 4	2,297	327 7	31	4 4	38	5 4	196	28 0	100	14 3
1968	119	17 2	2,223	320 8	25	3 6	20	2 9	213	30 7	97	14 0
1969	117	16 9	2,297	331.0	31	4 5	21	3 0	201	29 0	91	13 1
1970	111	16 0	2,229	321.0	30	4 3	26	3 7	213	30.7	79	11 4
1971	120	16 9	2,339	329 4	43	6 1	19	2 7	210	29 6	117	16 5
1972	135	18 8	2,294	319 1	32	4 5	17	2 4	220	30 6	87	12 1
1973	126	17 5	2,300	319 0	46	6 4	27	3 7	236	32 7	108	15 0
1974	103	14 0	2,202	299 6	44	6 0	20	2 7	192	26 1	122	16 6
1975	122	16 3	2,178	291 2	42	5 6	19	2 5	185	24 7	112	15 0
1976	100	13 3	2,178	289 2	38	5 0	17	2 3	207	27 5	129	17 1
1977	89	11 7	2,149	282 4	53	7 0	24	3 2	144	18 9	143	18 8
1978	114	14 5	2,169	276 3	40	5 1	20	2 5	199	25 4	122	15 5
1979	94	12 0	2,302	292 9	39	5 0	46	5 9	143	18 2	123	15 6
1980	103	13 1	2,332	296 4	40	5 1	43	5 5	169	21 5	116	14 7
1981	95	12.0	2,279	287 4	47	5 9	70	8 8	171	21 6	137	17 3
1982	115	14 4	2,236	279 2	36	4 5	57	7 1	196	24 5	126	15 7
1983	103	12 6	2,241	274 3	33	4 0	62	7 6	219	26 8	143	17 5
1984	113	13 7	2,270	275.5	37	4 5	57	6.9	204	24 8	137	16 6
1985	123	14 9	2,201	266 5	49	5 9	58	7 0	211	25.5	144	17 4
1986	109	13 3	2,196	268 1	41	5 0	40	4 9	205	25 0	181	22 1
1987	116	14 3	2,109	260.7	39	4 8	60	7 4	192	23 7	159	19 7
1988	154	19 1	2,057	255 5	35	4 3	60	7 5	219	27 2	153	19 0
1989	170	21 1	2,019	250 6	32	4 0	47	5 8	224	27 8	159	19 7
1990	154	19 3	1,947	243.7	35	4 4	48	6 0	213	26 7	167	20 9
1991	181	22 4	1,944	240 6	36	4 5	51	6 3	245	30 3	167	20 7
1992	164	19 9	1,904	231 2	35	4 2	56	6 8	259	31 4	151	18 3
1993	191	22 8	2,110	251 5	39	4 6	59	7 0	249	29 7	154	18 4
1994	215	25 1	1,907	222 7	34	4 0	76	8 9	276	32 2	159	18 6
1995	210	24 1	2,003	230 2	45	5 2	56	6 4	313	36 0	197	22 6
1996	187	21 3	2,131	242 3	37	4 2	81	9 2	238	27 1	174	19 9
1997	169	19 2	2,097	238 6	37	4 2	98	11 2	299	34 0	179	20 4
1998	196	22 3	2,001	227 3	26	3 0	90	10 2	311	35 3	156	17 7
1999	243	27 5	2,034	230 4	32	3 6	93	10 5	213	24 1	161	18 2
2000	226	25 1	1,985	220 0	35	3 9	115	12 7	192	21 3	157	17 4
2001	229	25 3	1,962	216 9	31	3 4	127	14 0	191	21 1	174	19 2
2002	211	23 2	1,931	212 3	23	2 5	104	11 4	247	27 2	182	20 0

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

\+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS ARE USED FOR YEARS ENDING IN ZERO.

TABLE D-4

FREQUENCY OF DEATH FROM SELECTED UNDERLYING CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	ICD 9	800-949	540-543	140-208	430-438	250	390-398, 402, 404, 410-429	487	320-322	360-369	580-589	460-486	045, 138	010-018, 137	ALL OTHER CAUSES
	ICD 10	V01-X59, Y85 Y86	K35-K38	C00-C97	I60-I69	E10-E14	I00-I09, I11, I13, I20-I51	J10-J18	G00-G03	A39	N00-N07, N17-N19, N25-N27	J12-J18	A80, B91	A16-A19, B90	
	TOTAL	ACCIDENTS	APPENDI-CITIS	CANCER	CEREBRO-VASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENIN-GITIS	MENINGO-COCCAL	NEPHRITIS	PNEU-MONIA	POLIO-MYELITIS	TUBER-CULOSIS	
MONTANA TOTAL	**8,473**	**523**	**0**	**1,901**	**638**	**211**	**1,931**	**7**	**2**	**0**	**104**	**247**	**1**	**0**	**2,908**
BEAVERHEAD	75	9	0	21	3	1	18	0	0	0	1	0	0	0	22
BIG HORN	120	14	0	20	4	9	25	0	0	0	2	1	0	0	45
BLAINE	66	7	0	15	7	0	12	0	0	0	0	3	0	0	22
BROADWATER	38	4	0	10	3	0	7	0	0	0	0	3	0	0	11
CARBON	105	8	0	23	11	1	30	0	0	0	0	2	0	0	30
CARTER	18	1	0	4	1	0	5	0	0	0	2	0	0	0	5
CASCADE	758	30	0	171	58	29	170	0	0	0	9	18	0	0	273
CHOUTEAU	59	3	0	14	2	1	19	0	0	0	1	2	0	0	17
CUSTER	151	6	0	36	11	5	22	0	0	0	5	4	0	0	62
DANIELS	29	1	0	4	4	0	5	0	0	0	2	1	0	0	12
DAWSON	112	4	0	25	13	1	35	0	0	0	2	2	0	0	30
DEER LODGE	115	7	0	22	6	3	21	0	0	0	4	8	0	0	44
FALLON	33	0	0	11	2	0	11	0	0	0	1	0	0	0	8
FERGUS	163	6	0	29	9	2	47	0	0	0	4	13	0	0	53
FLATHEAD	682	41	0	161	74	14	147	0	0	0	8	21	0	0	216
GALLATIN	351	25	0	65	29	8	76	0	1	0	2	15	0	0	130
GARFIELD	21	1	0	4	1	0	11	0	0	0	0	2	0	0	2
GLACIER	119	18	0	24	5	3	20	0	0	0	2	3	0	0	44
GOLDEN VALLEY	6	1	0	2	0	0	1	0	0	0	0	0	0	0	2
GRANITE	27	1	0	5	0	0	8	0	0	0	1	0	0	0	12
HILL	139	7	0	35	9	0	35	0	0	0	2	4	0	0	47
JEFFERSON	81	7	0	21	4	1	20	0	0	0	0	1	0	0	27
JUDITH BASIN	21	3	0	3	2	1	5	0	0	0	0	0	0	0	7
LAKE	243	25	0	66	15	5	52	2	0	0	3	8	0	0	67
LEWIS & CLARK	474	36	0	96	31	15	98	0	0	0	4	17	0	0	177
LIBERTY	25	2	0	5	1	2	9	0	0	0	0	1	0	0	5
LINCOLN	199	10	0	48	15	3	60	0	0	0	3	3	0	0	57
MCCONE	19	2	0	5	2	0	3	0	0	0	1	0	0	0	6
MADISON	76	8	0	12	14	1	18	0	0	0	0	3	0	0	20
MEAGHER	27	1	0	3	1	0	10	0	0	0	0	1	0	0	11
MINERAL	40	4	0	13	2	2	8	0	0	0	0	1	0	0	10
MISSOULA	661	38	0	142	41	13	155	2	0	0	4	18	0	0	248
MUSSELSHELL	59	5	0	12	5	1	16	0	0	0	0	0	0	0	20
PARK	154	6	0	43	10	5	25	0	0	0	5	5	0	0	55
PETROLEUM	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0
PHILLIPS	69	7	0	14	7	1	19	0	0	0	0	5	0	0	16
PONDERA	82	7	0	23	7	2	9	0	0	0	0	2	0	0	32
POWDER RIVER	16	1	0	4	1	0	3	0	0	0	1	0	0	0	6
POWELL	75	3	0	23	4	3	19	0	0	0	1	1	0	0	21
PRAIRIE	18	0	0	1	3	1	4	0	0	0	0	1	0	0	8
RAVALLI	370	18	0	101	37	5	70	0	1	0	4	10	0	0	124
RICHLAND	108	3	0	30	8	1	34	0	0	0	0	3	0	0	29
ROOSEVELT	127	12	0	20	6	4	43	0	0	0	0	5	0	0	37
ROSEBUD	78	5	0	20	1	2	17	1	0	0	0	2	0	0	30
SANDERS	108	12	0	26	8	2	26	0	0	0	2	6	0	0	26
SHERIDAN	60	1	0	11	7	0	14	0	0	0	1	3	0	0	23
SILVER BOW	443	15	0	91	36	17	113	0	0	0	6	11	0	0	154
STILLWATER	73	4	0	10	6	2	20	0	0	0	2	1	0	0	28
SWEET GRASS	47	2	0	11	4	0	9	0	0	0	0	1	0	0	20
TETON	74	4	0	17	4	3	16	0	0	0	1	1	0	0	28
TOOLE	59	8	0	18	2	1	8	0	0	0	0	4	0	0	18
TREASURE	5	0	0	3	1	0	1	0	0	0	0	0	0	0	0
VALLEY	110	8	0	28	7	4	24	0	0	0	1	1	0	0	37
WHEATLAND	34	3	0	9	1	1	11	0	0	0	1	0	0	0	8
WIBAUX	13	1	0	4	0	1	2	0	0	0	0	1	0	0	4
YELLOWSTONE	1,232	67	0	265	93	35	264	2	0	0	16	29	1	0	460
YELLOWSTONE PARK	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
NOT STATED	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2

* INCLUDES "STROKE."

TABLE D-5

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA RESIDENTS, 1954-2002

YEAR OF DEATH	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT																			
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER		UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
1954	511	357	67	0	77	94	12	55	46	13	6	28	18	11	25	28	17	17	236	118
1955	458	371	55	0	73	73	13	47	62	18	3	13	17	10	24	27	17	23	221	133
1956	529	403	68	0	73	99	25	75	61	24	6	27	14	15	22	28	19	28	221	127
1957	517	360	63	0	63	110	10	69	53	19	8	19	19	8	23	33	17	27	204	132
1958	474	385	52	2	74	100	12	59	54	21	7	22	17	14	22	26	11	17	197	152
1959	556	364	66	0	71	88	9	84	49	25	8	14	18	13	26	40	25	25	235	124
1960	557	401	78	0	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136
1961	524	441	62	0	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131
1962	528	383	65	0	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149
1965	546	387	71	0	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121
1966	571	398	59	0	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131
1967	549	452	66	0	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140
1968	604	476	66	0	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169
1969	619	422	66	0	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131
1972	637	485	79	0	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162
1973	580	481	86	0	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145
1975	629	476	74	0	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145
1976	684	507	92	0	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151
1977	677	507	81	0	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167
1980	743	548	91	0	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159
1981	712	631	109	0	125	207	92	64	84	21	15	13	25	31	40	36	29	9	230	193
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168
1986	791	684	134	0	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199
1989	880	713	150	0	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203
1990	863	767	130	0	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205
1992	927	783	147	0	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223
1995	918	847	125	0	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229
1996	942	820	125	0	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225
1997	956	821	151	0	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250
2001	1,045	907	124	0	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280

*Data for this table were coded using six different revisions of the International Classification of Diseases (ICD), which were implemented in the following years: ICD-6 (1949 - 1957); ICD-7 (1958-1967); ICD-8 (1968-1978); ICD-9 (1979-1998); ICD-10 (1999-present).

TABLE D-6

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT								
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	959	942	110	2	150	287	240	100	84	28	11
BEAVERHEAD	9	12	3	-	2	4	4	-	2	-	1
BIG HORN	9	11	1	-	1	3	2	1	-	-	-
BLAINE	11	4	2	-	-	3	2	2	-	-	1
BROADWATER	6	4	-	-	1	3	1	1	-	-	1
CARBON	11	12	2	-	2	2	2	2	1	2	-
CARTER	2	2	1	-	1	1	-	-	1	-	-
CASCADE	83	88	6	-	9	30	33	7	10	4	-
CHOUTEAU	4	10	-	-	2	-	2	-	1	-	-
CUSTER	16	20	1	-	4	6	4	-	-	1	-
DANIELS	2	2	-	-	1	1	-	-	-	-	-
DAWSON	11	14	4	-	1	2	3	-	4	-	-
DEER LODGE	12	10	1	-	2	5	2	1	1	1	-
FALLON	8	3	2	-	1	-	1	-	1	-	-
FERGUS	17	12	2	-	1	4	1	3	2	-	-
FLATHEAD	75	86	7	-	13	19	21	4	8	3	1
GALLATIN	23	42	3	-	9	5	8	1	2	-	-
GARFIELD	3	1	2	-	-	-	-	-	-	-	-
GLACIER	10	14	1	-	-	3	3	2	1	-	-
GOLDEN VALLEY	1	1	-	-	-	-	1	1	-	-	-
GRANITE	4	1	-	-	-	1	-	-	-	-	-
HILL	15	20	3	-	2	3	7	4	1	-	-
JEFFERSON	7	14	-	-	3	2	3	-	-	1	-
JUDITH BASIN	2	1	1	-	1	-	-	-	-	-	-
LAKE	42	24	2	-	2	12	7	6	4	-	-
LEWIS & CLARK	41	55	2	-	12	18	16	4	3	1	1
LIBERTY	4	1	2	-	-	1	-	-	-	-	-
LINCOLN	27	21	3	-	1	8	6	2	3	4	-
MCCONE	2	3	2	-	-	-	-	-	1	-	-
MADISON	8	4	1	-	-	2	1	-	1	-	1
MEAGHER	2	1	-	-	1	-	-	-	-	-	-
MINERAL	8	5	1	-	2	5	-	-	1	-	-
MISSOULA	66	76	5	-	15	21	16	9	2	3	1
MUSSELSHELL	5	7	1	-	-	1	3	-	1	-	-
PARK	23	20	3	-	4	8	2	4	1	-	-
PETROLEUM	2	-	-	-	-	-	-	1	-	-	-
PHILLIPS	8	6	3	-	2	1	1	1	1	-	-
PONDERA	11	12	1	-	3	3	4	1	-	-	-
POWDER RIVER	3	1	-	-	-	-	-	-	-	-	-
POWELL	14	9	-	-	1	4	4	1	-	-	-
PRAIRIE	1	-	-	-	-	-	-	-	-	-	-
RAVALLI	64	37	6	1	3	16	7	8	3	-	2
RICHLAND	15	15	3	-	4	3	2	2	-	-	1
ROOSEVELT	10	10	-	-	2	2	3	3	2	-	-
ROSEBUD	8	12	1	-	1	4	2	-	1	-	-
SANDERS	15	11	4	-	1	1	1	3	1	-	-
SHERIDAN	6	5	-	-	1	1	2	1	-	-	-
SILVER BOW	44	47	5	-	6	14	13	5	4	1	-
STILLWATER	2	8	1	-	1	1	5	-	-	-	-
SWEET GRASS	5	6	-	-	-	1	2	1	2	1	-
TETON	8	9	2	-	2	3	2	2	-	-	-
TOOLE	7	11	2	-	1	1	5	2	2	-	-
TREASURE	1	2	-	-	-	1	-	-	-	-	-
VALLEY	15	13	1	-	2	4	2	1	1	1	-
WHEATLAND	3	6	-	-	1	1	3	-	-	-	1
WIBAUX	-	4	-	-	-	-	2	-	-	-	-
YELLOWSTONE	148	117	17	1	26	53	29	14	15	5	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE D-6 (CONCLUDED)

FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	SITE OF CANCER AND SEX OF DECEDENT								
	UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS	
	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	31	38	29	64	45	44	9	349	280
BEAVERHEAD	-	-	1	1	-	-	-	2	1
BIG HORN	-	-	-	1	-	-	-	4	7
BLAINE	-	-	-	-	1	-	1	3	-
BROADWATER	-	-	-	-	-	1	-	2	-
CARBON	2	-	1	2	-	2	-	3	-
CARTER	-	-	-	-	-	-	-	-	-
CASCADE	2	4	2	6	6	3	1	26	22
CHOUTEAU	-	-	-	1	-	-	-	4	4
CUSTER	1	1	1	2	-	1	-	7	7
DANIELS	-	-	1	-	-	-	-	1	-
DAWSON	1	1	-	1	-	-	-	4	4
DEER LODGE	-	-	-	-	1	-	-	3	5
FALLON	-	-	-	-	-	-	-	6	-
FERGUS	1	2	-	-	-	-	-	6	7
FLATHEAD	1	2	3	9	3	6	2	37	22
GALLATIN	2	-	1	6	2	-	-	12	14
GARFIELD	-	-	-	-	-	1	-	1	-
GLACIER	-	1	-	-	1	1	-	2	9
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-
GRANITE	-	1	-	-	-	-	-	2	1
HILL	3	1	1	-	-	-	-	4	6
JEFFERSON	-	1	-	2	-	2	1	3	3
JUDITH BASIN	-	-	-	-	-	-	-	1	-
LAKE	2	4	-	1	1	1	-	17	7
LEWIS & CLARK	2	-	2	3	-	3	1	16	12
LIBERTY	-	-	-	-	-	-	-	1	1
LINCOLN	-	-	1	-	3	-	-	7	10
MCCONE	-	-	-	-	-	1	-	-	1
MADISON	-	1	-	-	-	1	-	4	-
MEAGHER	-	-	-	-	-	-	-	2	-
MINERAL	-	-	-	-	-	-	-	2	2
MISSOULA	3	3	5	6	5	2	-	20	26
MUSSELSHELL	-	1	1	-	-	1	-	2	1
PARK	-	1	1	2	2	2	-	5	8
PETROLEUM	-	-	-	-	1	-	-	-	-
PHILLIPS	-	-	-	-	-	1	-	3	1
PONDERA	-	1	-	-	1	2	-	4	3
POWDER RIVER	-	-	-	-	-	-	-	3	1
POWELL	-	1	-	-	-	1	-	8	3
PRAIRIE	-	-	-	-	1	-	-	-	-
RAVALLI	1	2	2	7	3	1	-	28	11
RICHLAND	2	1	-	1	1	1	-	5	4
ROOSEVELT	1	-	-	-	2	-	1	3	1
ROSEBUD	-	-	-	-	-	1	-	3	7
SANDERS	-	1	1	2	1	1	-	5	4
SHERIDAN	-	-	-	-	-	-	-	4	2
SILVER BOW	2	1	-	3	3	3	1	15	15
STILLWATER	-	-	-	1	-	-	-	-	1
SWEET GRASS	1	-	-	1	-	-	-	2	-
TETON	-	-	-	-	-	-	-	1	5
TOOLE	1	-	1	-	-	-	-	2	1
TREASURE	-	-	1	-	-	-	-	-	1
VALLEY	-	2	-	-	-	-	-	6	8
WHEATLAND	-	-	-	-	-	-	-	2	1
WIBAUX	-	-	-	1	-	-	-	-	1
YELLOWSTONE	3	5	3	5	7	5	1	46	30
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-

TABLE D-7

FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2002

CAUSE OF DEATH**	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS			
	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE
ALL CAUSES	81	66	12	3	44	35	7	2	9	9	-	-
CERTAIN INFECTIOUS AND PARASITIC DISEASES	2	2	-	-	-	-	-	-	1	1	-	-
__VIRAL DISEASES	2	2	-	-	-	-	-	-	1	1	-	-
____(16#) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	2	2	-	-	-	-	-	-	1	1	-	-
NEOPLASMS	2	1	1	-	-	-	-	-	1	1	-	-
__(#) MALIGNANT NEOPLASMS	1	-	1	-	-	-	-	-	-	-	-	-
_____(23#) OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	1	-	1	-	-	-	-	-	-	-	-	-
_____(24#) IN SITU NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	1	1	-	-	-	-	-	-	1	1	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	1	1	-	-	-	-	-	-
____(31#) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	1	1	-	-	1	1	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-
__(36#) ANOXIC BRAIN DAMAGE, NOT ELSE WHERE CLASSIFIED	1	1	-	-	-	-	-	-	-	-	-	-
(#) DISEASES OF THE CIRCULATORY SYSTEM	2	2	-	-	1	1	-	-	-	-	-	-
____(41#) CARDIOMYOPATHY	1	1	-	-	1	1	-	-	-	-	-	-
____(44#) ALL OTHER DISEASES OF CIRCULATORY SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-
____(56#) RENAL FAILURE AND OTHER DISORDERS OF KIDNEY	1	1	-	-	1	1	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	29	20	7	2	29	20	7	2	-	-	-	-
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	11	10	1	-	11	10	1	-	-	-	-	-
__(#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	6	5	1	-	6	5	1	-	-	-	-	-
__(60) NEWBORN AFFECTED BY INCOMPETENT CERVIX	1	1	-	-	1	1	-	-	-	-	-	-
__(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	5	4	1	-	5	4	1	-	-	-	-	-
__(#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	5	5	-	-	5	5	-	-	-	-	-	-
__(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	3	3	-	-	3	3	-	-	-	-	-	-
__(65) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING CORD	1	1	-	-	1	1	-	-	-	-	-	-
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	11	5	6	-	11	5	6	-	-	-	-	-
__(71) EXTREAMLY LOW BIRTH WEIGHT OR EXTREAM IMMATURITY	8	4	4	-	8	4	4	-	-	-	-	-
__(72) OTHER LOW BIRTH WEIGHT OR PRETERM	3	1	2	-	3	1	2	-	-	-	-	-
__(74#) BIRTH TRAMA	2	-	-	2	2	-	-	2	-	-	-	-
(#) INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	1	1	-	-	1	1	-	-	-	-	-	-
__(76) BIRTH ASPHYXIA	1	1	-	-	1	1	-	-	-	-	-	-
OTHER RESPRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	1	-	-	1	1	-	-	-	-	-	-
__(81#) PULMONARY HEMPORAGE ORIGINATING IN THE PERINATAL PERIOD	1	1	-	-	1	1	-	-	-	-	-	-
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	1	1	-	-	1	1	-	-	-	-	-	-
__(88#) NEONATAL HEMORAGE	1	1	-	-	1	1	-	-	-	-	-	-
__(95) OTHER PERINATAL CONDITIONS	2	2	-	-	2	2	-	-	-	-	-	-
(#) CONGENITAL MALFORMATIONS, DEFORMATIES AND CHROMOSOMAL ABNORMALITIES	18	18	-	-	12	12	-	-	4	4	-	-
__(96) ANENCEPHALY AND SIMILAR MALFORMATION	2	2	-	-	2	2	-	-	-	-	-	-
__(100) CONGENITAL MALFORMATIONS OF THE HEART	3	3	-	-	1	1	-	-	1	1	-	-
__(101) OTHER CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-
__(102) CONGENITAL MALFORMATIONS OF RESPIRATORY SYSTEM	3	3	-	-	3	3	-	-	-	-	-	-
__(103) CONGENITAL MALFORMATIONS OF DIGESTIVE SYSTEM	1	1	-	-	-	-	-	-	1	1	-	-
__(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-
__(105) CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	2	2	-	-	1	1	-	-	1	1	-	-
__(107) EDWARD'S SYNDROME	3	3	-	-	2	2	-	-	1	1	-	-
__(108) PATAU'S SYNDROME	1	1	-	-	1	1	-	-	-	-	-	-
__(110) OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSE WHERE CLASSIFIED SYMPTOMS	1	1	-	-	-	-	-	-	-	-	-	-
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	24	20	3	1	-	-	-	-	3	3	-	-
__(111#) SUDDEN INFANT DEATH SYNDROME	15	12	3	-	-	-	-	-	2	2	-	-
EXTERNAL CAUSES OF MORTALITY	1	-	1	-	-	-	-	-	-	-	-	-
(#) ACCIDENTS	1	-	1	-	-	-	-	-	-	-	-	-
__(120) OTHER ACCIDENTAL SUFFOCATION AND STRANGULATION	1	-	1	-	-	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTNER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 130 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 4. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-8

FREQUENCY OF INFANT MORTALITY BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2002

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 28 DAYS			29 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 1998-2002		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATE
MONTANA TOTAL	81	66	15	44	35	9	8	8	-	29	23	6	370	54,508	6.
BEAVERHEAD	-	-	-	-	-	-	-	-	-	-	-	-	2	487	4.
BIG HORN	1	-	1	-	-	-	-	-	-	1	-	1	11	1,221	9.
BLAINE	-	-	-	-	-	-	-	-	-	-	-	-	5	514	9.
BROADWATER	-	-	-	-	-	-	-	-	-	-	-	-	3	188	16.
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	6	450	13.
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	45	
CASCADE	9	8	1	5	5	-	-	-	-	4	3	1	44	5,338	8.
CHOUTEAU	-	-	-	-	-	-	-	-	-	-	-	-	-	217	
CUSTER	1	1	-	-	-	-	-	-	-	1	1	-	4	674	5.
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	1	79	12.
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	1	465	2.
DEER LODGE	1	1	-	-	-	-	-	-	-	1	1	-	3	431	7.
FALLON	1	1	-	1	1	-	-	-	-	-	-	-	1	141	7.
FERGUS	-	-	-	-	-	-	-	-	-	-	-	-	7	531	13.
FLATHEAD	8	8	-	3	3	-	2	2	-	3	3	-	31	4,716	6.
GALLATIN	5	5	-	5	5	-	-	-	-	-	-	-	20	4,098	4.
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	78	
GLACIER	3	-	3	2	-	2	-	-	-	1	-	1	6	1,186	5.
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	61	
GRANITE	-	-	-	-	-	-	-	-	-	-	-	-	-	101	
HILL	1	1	-	-	-	-	-	-	-	1	1	-	9	1,368	6.
JEFFERSON	1	1	-	1	1	-	-	-	-	-	-	-	1	439	2.
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	1	89	11.
LAKE	3	2	1	-	-	-	1	1	-	2	1	1	22	1,740	12.
LEWIS & CLARK	8	8	-	6	6	-	-	-	-	2	2	-	21	3,319	6.
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	1	91	11.
LINCOLN	3	3	-	1	1	-	2	2	-	-	-	-	9	922	9.
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	82	
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	1	269	3.
MEAGHER	1	1	-	-	-	-	-	-	-	1	1	-	2	109	18.
MINERAL	-	-	-	-	-	-	-	-	-	-	-	-	1	195	5.
MISSOULA	9	6	3	7	4	3	1	1	-	1	1	-	28	5,548	5.
MUSSELSHELL	-	-	-	-	-	-	-	-	-	-	-	-	3	229	13.
PARK	1	1	-	-	-	-	-	-	-	1	1	-	3	843	3.
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	21	
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	1	204	4.
PONDERA	-	-	-	-	-	-	-	-	-	-	-	-	3	372	8.
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	80	
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	3	305	9.
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	47	
RAVALLI	1	1	-	1	1	-	-	-	-	-	-	-	11	1,994	5.
RICHLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	498	2.
ROOSEVELT	3	-	3	3	-	3	-	-	-	-	-	-	9	1,022	8.
ROSEBUD	2	-	2	1	-	1	-	-	-	1	-	1	8	778	10.
SANDERS	2	2	-	1	1	-	-	-	-	1	1	-	6	515	11.
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	-	138	
SILVER BOW	1	1	-	-	-	-	-	-	-	1	1	-	7	1,920	3.
STILLWATER	-	-	-	-	-	-	-	-	-	-	-	-	1	409	2.
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	1	190	5.
TETON	-	-	-	-	-	-	-	-	-	-	-	-	3	338	8.
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	255	
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	26	
VALLEY	2	2	-	2	2	-	-	-	-	-	-	-	2	431	4.
WHEATLAND	14	13	1	5	5	-	2	2	-	7	6	1	1	130	7.
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	43	
YELLOWSTONE	14	13	1	5	5	-	2	2	-	7	6	1	66	8,513	7.
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	15	

* EITHER RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.
\+ PER 1,000 LIVE BIRTHS.

TABLE D-9

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2002

ICD-9	051		032		487		055		036	
ICD-10	A05		A36		J10-J11		B05		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	-	-								
1915			61	16 2	24	6 4	16	4 3	1	0 3
1920	5	1 1	21	4 5	41	8 8	7	1 5	7	1 5
1925	4	0 7	32	5 8	304	55 4	27	4 9	15	2 7
	6	1 1	34	6 3	109	20 1	5	0 9	5	0 9
1930										
1935	7	1 3	4	0.7	102	19 0	12	2 2	22	4 1
1940	3	0 5	14	2 5	173	31 5	49	8 9	15	2 7
1945	2	0 4	6	1 1	77	13 8	5	0 9	6	1 1
	1	0 2	4	0 8	47	9 3	1	0 2	3	0 6
1946										
1947	1	0 2	5	1 0	25	4 8	3	0 6	3	0 6
1948	1	0 2	2	0 4	33	6 1	13	2 4	3	0 6
1949	3	0 5	3	0.5	13	2 3	12	2 2	1	0 2
	2	0 3	3	0 5	13	2 3	3	0 5	3	0 5
1950	-	-								
1951	2	0 3	2	0.3	23	3 9	-	-		
1952	-	-	-	-	30	5 0	9	1 5	1	0 2
1953	-	-	1	0.2	22	3 7	4	0 7	5	0 8
1954	-	-	3	0 5	59	9 6	4	0 6	4	0 7
	-	-	3	0 5	6	1 0	5	0 8	2	0 3
1955	-	-							6	1 0
1956	-	-	1	0 2	12	1.9	4	0 6		
1957	-	-	1	0 2	4	0 6	1	0 2	5	0 8
1958	-	-	1	0 1	25	3 7	3	0 4	7	1 1
1959	-	-	-	-	14	2 1	2	0 3	3	0 4
	-	-	-	-	15	2 2	5	0 7	4	0 6
1960	-	-							3	0 4
1961	-	-	-	-	37	5 5	1	0 1		
1962	-	-	-	-	8	1 2	1	0.1	3	0 4
1963	-	-	-	-	12	1 7	-	-	1	0 1
1964			-	-	31	4 4	-	-	4	0 6
	1	0 1	-	-	29	4 1	2	0.3	3	0 4
1965	-	-							2	0 3
1966			-	-	5	0 7				
1967	1	0 1	-	-	49	7 0	-	-	3	0 4
1968	-	-	-	-	3	0 4	-	-	2	0 3
1969	-	-	-	-	30	4 3	-	-	2	0 3
	-	-	-	-	38	5 5	-	-	2	0 3
1970							2	0 3	2	0 3
1971	-	-	2	0 3	8	1 2	-	-		
1972	-	-	-	-	9	1 3	2	0 3	1	0 1
1973	-	-	-	-	15	2 1	-	-	2	0.3
1974	-	-	-	-	43	6 0	-	-	2	0 3
	-	-	-	-	11	1 5	-	-	2	0 3
1975	-	-							1	0 1
1976	-	-	-	-	17	2 3	-	-		
1977	-	-	-	-	95	12 6	-	-	-	-
1978	-	-	-	-	9	1 2	-	-	-	-
1979	-	-	-	-	19	2 4	-	-	2	0 3
	-	-	-	-	4	0 5	-	-	2	0 3
1980	-	-							4	0 5
1981	1	0 1	-	-	24	3 1	-	-	-	-
1982	-	-	-	-	10	1.3	-	-	1	0 1
1983	-	-	-	-	8	1 0	-	-	1	0.1
1984	-	-	-	-	26	3 2	-	-	1	0 1
	-	-	-	-	19	2 3	-	-	-	-
1985	-	-								
1986	-	-	-	-	24	2 9	-	-	3	0 4
1987	-	-	-	-	24	2 9	-	-	-	-
1988	-	-	-	-	9	1 1	-	-	-	-
1989	-	-	-	-	21	2 6	-	-	-	-
	-	-	-	-	19	2 4	-	-	-	-
1990	-	-								
1991	-	-	-	-	15	1 9	-	-	2	0 3
1992	-	-	-	-	7	0 9	-	-	-	-
1993	-	-	-	-	7	0 8	-	-	-	-
1994	-	-	-	-	13	1 5	-	-	-	-
	-	-	-	-	15	1 8	-	-	1	0 1
1995	-	-								
1996	-	-	-	-	6	0 7	-	-	1	0 1
1997	-	-	-	-	11	1 3	-	-	2	0 2
1998	-	-	-	-	0	-	-	-	-	-
1999	-	-	-	-	60	6 8	-	-	-	-
	-	-	-	-	35	4 0	-	-	1	0 1
2000	-	-	-	-	1	0 1	-	-	-	-
2001	-	-	-	-	3	0 3	-	-	2	0 2
2002	-	-	-	-	7	0 8	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1948, DATA ARE BY PLACE OF RESIDENCE.

+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1910-2002

ICD-9	045 138		082 0		137 010-018		002 0		033	
ICD-10	A80		A77		A16-A19		A010		A37	
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1910	17	4 5	-	-	340	90 4	151	40 2	41	10 9
1915	1	0 2	8	1 7	530	113 2	57	12 2	36	7 7
1920	5	0 9	7	1 3	419	76 4	27	4 9	51	9 3
1925	6	1 1	11	2.0	396	73 0	24	4 4	63	11 6
1930	6	1.1	9	1.7	337	62 7	16	3 0	16	3 0
1935	1	0 2	21	3 8	257	46 8	12	2 2	22	4 0
1940	7	1.3	7	1.3	231	41 3	3	0.5	5	0 9
1945	10	2 0	1	0 2	171	33 9	2	0 4	2	0 4
1946	5	1.0	5	1 0	164	31 4	2	0 4	2	0 4
1947	4	0.7	1	0 2	152	28 2	1	0 2	6	1.1
1948	6	1.1	1	0 2	146	26 2	-	-	6	1 1
1949	13	2 3	-	-	109	19 0	1	0 2	2	0 3
1950	3	0 5	1	0 2	114	19 3	-	-	10	1 7
1951	6	1 0	-	-	85	14 3	1	0 2	1	0 2
1952	8	1 3	1	0 2	79	13 1	1	0 2	1	0 2
1953	14	2 3	-	-	77	12 5	-	-	4	0 6
1954	9	1 4	-	-	62	9 9	-	-	1	0 2
1955	8	1 3	-	-	50	7 9	-	-	1	0 2
1956	-	-	-	-	48	7 3	-	-	1	0 2
1957	2	0 3	-	-	68	10 2	-	-	2	0 3
1958	5	0 8	-	-	45	6 8	-	-	-	-
1959	2	0 3	-	-	37	5 5	-	-	-	-
1960	7	1 0	1	0.1	31	4 6	-	-	1	0 1
1961	1	0 1	-	-	24	3 5	1	0.1	-	-
1962	-	-	-	-	32	4 5	-	-	-	-
1963	-	-	-	-	27	3 8	-	-	-	-
1964	-	-	-	-	28	4 0	1	0 1	-	-
1965	-	-	-	-	22	3 1	-	-	-	-
1966	-	-	-	-	21	3 0	-	-	-	-
1967	-	-	-	-	17	2 4	-	-	-	-
1968	1	0 1	-	-	15	2 2	-	-	-	-
1969	-	-	-	-	16	2 3	-	-	-	-
1970	-	-	-	-	12	1 7	-	-	-	-
1971	1	0 1	-	-	10	1 4	-	-	1	0 1
1972	-	-	-	-	11	1 5	-	-	-	-
1973	-	-	-	-	13	1 8	-	-	-	-
1974	1	0 1	-	-	17	2 3	-	-	-	-
1975	1	0 1	1	0 1	13	1 7	-	-	-	-
1976	-	-	-	-	9	1 2	-	-	-	-
1977	-	-	-	-	4	0 5	-	-	-	-
1978	1	0 1	-	-	11	1 4	-	-	-	-
1979	-	-	-	-	5	0 6	-	-	-	-
1980	-	-	-	-	6	0 8	-	-	-	-
1981	-	-	-	-	7	0 9	-	-	-	-
1982	-	-	-	-	7	0 9	-	-	-	-
1983	1	0 1	-	-	1	0 1	-	-	-	-
1984	2	0 2	-	-	10	1 2	-	-	-	-
1985	-	-	-	-	5	0 6	-	-	1	0 1
1986	-	-	-	-	5	0 6	-	-	-	-
1987	-	-	-	-	4	0 5	-	-	-	-
1988	1	0 1	-	-	2	0 2	-	-	-	-
1989	2	0 2	-	-	5	0 6	-	-	-	-
1990	-	-	-	-	2	0 3	-	-	-	-
1991	1	0.1	-	-	4	0 5	-	-	-	-
1992	1	0 1	-	-	4	0 5	-	-	-	-
1993	-	-	-	-	2	0 2	-	-	-	-
1994	-	-	-	-	6	0 7	-	-	-	-
1995	2	0 2	-	-	2	0 2	-	-	-	-
1996	2	0 2	-	-	1	0 1	-	-	1	0 1
1997	0	-	-	-	-	-	-	-	-	-
1998	1	0 1	-	-	4	0 5	-	-	-	-
1999	0	-	-	-	3	0 3	-	-	-	-
2000	0	-	-	-	2	0 2	-	-	-	-
2001	1	0 1	-	-	3	0 3	-	-	-	-
2002	1	0 1	-	-	-	-	-	-	-	-

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
\+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.
** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE F-1

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2002

CAUSE OF DEATH**	ALL GESTATIONAL AGES					LESS THAN 23 WEEKS				
	GRAND TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	GRAND TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE
All causes	**51**	**21**	**6**	**19**	**4**	**9**	**5**	**1**	**1**	**2**
Certain conditions originating in the perinatal period	43	17	4	18	4	9	5	1	1	2
(#) Fetus affected by maternal complications of pregnancy	**4**	**2**	-	-	**2**	**3**	**2**	-	-	**1**
(26) Fetus affected by incompetent cervix	1	-	-	-	1	-	-	-	-	-
(27) Fetus affected by premature rupture of membranes	3	2	-	-	1	3	2	-	-	1
(#) Fetus affected by complications of placenta, cord and membranes	**25**	**9**	**3**	**12**	**1**	**3**	**2**	-	-	**1**
(36) Fetus affected by other forms of placental separation and hemorrhage	3	1	-	2	-	-	-	-	-	-
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	5	2	-	2	1	1	-	-	-	1
(38) Fetus affected by placental transfusion syndromes	3	2	-	1	-	2	2	-	-	-
(40) Fetus affected by other compression of umbilical cord	6	2	1	3	-	-	-	-	-	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	7	2	1	4	-	-	-	-	-	-
(43) Fetus affected by other and unspecified abnormalities of membranes	1	-	1	-	-	-	-	-	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	**3**	**1**	**1**	**1**	-	**3**	**1**	**1**	**1**	-
(54) Extremely low birth weight or extreme immaturity	3	1	1	1	-	3	1	1	1	-
Other conditions onginating in the perinatal penod	11	5	-	5	1	-	-	-	-	-
(88#) Fetal death of unspecified cause	**11**	**5**	-	**5**	**1**	-	-	-	-	-
(#) Congenital malformations, deformations and chromosomal abnormalities	**8**	**4**	**2**	**1**	-	-	-	-	-	-
(103) Congenital malformations of heart	1	1	-	-	-	-	-	-	-	-
Congenital malformations of urinary system	2	-	1	-	-	-	-	-	-	-
(109) Renal agenesis and other reduction defects of kidney	2	-	1	-	-	-	-	-	-	-
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	2	2	-	-	-	-	-	-	-	-
Other congenital malformations	1	-	1	-	-	-	-	-	-	-
(115) All other congenital malformations	1	-	1	-	-	-	-	-	-	-
Chromosomal abnormalities, not elsewhere classified	2	1	-	1	-	-	-	-	-	-
(117) Edward's syndrome	1	1	-	-	-	-	-	-	-	-
(119) Other chromosomal abnormalities, not elsewhere classified	1	-	-	1	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE F-1 (CONCLUDED)

FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENT, 2002

CAUSE OF DEATH**	23 TO 33 WEEKS					34 WEEKS OR MORE				
	GRAND TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	GRAND TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE
All causes	**17**	**8**	**2**	**5**	**1**	**28**	**9**	**4**	**14**	**1**
Certain conditions originating in the perinatal period	12	6	-	5	1	24	7	3	13	1
(#) Fetus affected by maternal complications of pregnancy	-	-	-	-	-	**1**	-	-	-	**1**
(26) Fetus affected by incompetent cervix	-	-	-	-	-	1	-	-	-	1
(27) Fetus affected by premature rupture of membranes	-	-	-	-	-	-	-	-	-	-
(#) Fetus affected by complications of placenta, cord and membranes	**7**	**3**	-	**4**	-	**15**	**4**	**3**	**8**	-
(36) Fetus affected by other forms of placental separation and hemorrhage	1	1	-	-	-	2	-	-	2	-
(37) Fetus affected by other and unspecified morphological and functional abnormalities of placenta	2	1	-	1	-	2	1	-	1	-
(38) Fetus affected by placental transfusion syndromes	1	-	-	1	-	-	-	-	-	-
(40) Fetus affected by other compression of umbilical cord	-	-	-	-	-	6	2	1	3	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	3	1	-	2	-	4	1	1	2	-
(43) Fetus affected by other and unspecified abnormalities of membranes	-	-	-	-	-	1	-	1	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	-	-	-	-	-	-	-	-	-	-
(54) Extremely low birth weight or extreme immaturity	-	-	-	-	-	-	-	-	-	-
Other conditions originating in the perinatal period	5	3	-	1	1	8	3	-	5	-
(88#) Fetal death of unspecified cause	**5**	**3**	-	**1**	**1**	**8**	**3**	-	**5**	-
(#) Congenital malformations, deformations and chromosomal abnormalities	**5**	**2**	**2**	-	-	**4**	**2**	**1**	**1**	-
(103) Congenital malformations of heart	1	1	-	-	-	-	-	-	-	-
Congenital malformations of urinary system	2	-	1	-	-	1	-	1	-	-
(109) Renal agenesis and other reduction defects of kidney	2	-	1	-	-	1	-	1	-	-
(112) Congenital malformations and deformations of musculoskeletal system, limbs and integument	-	-	-	-	-	2	2	-	-	-
Other congenital malformations	1	-	1	-	-	-	-	-	-	-
(115) All other congenital malformations	1	-	1	-	-	-	-	-	-	-
Chromosomal abnormalities, not elsewhere classified	1	1	-	-	-	1	-	-	1	-
(117) Edward's syndrome	1	1	-	-	-	-	-	-	-	-
(119) Other chromosomal abnormalities, not elsewhere classified	-	-	-	-	-	1	-	-	1	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE A-1

FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS
AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 2002

TOTAL PAST PREGNANCIES	TOTAL	PREVIOUS INDUCED ABORTIONS							
		NONE	ONE	TWO	THREE	FOUR	FIVE	SIX OR MORE	NOT STATED
TOTAL	2,248	1,439	559	170	50	15	9	5	1
NONE	775	775	-	-	-	-	-	-	-
ONE	452	262	190	-	-	-	-	-	-
TWO	398	198	152	48	-	-	-	-	-
THREE	289	127	113	41	8	-	-	-	-
FOUR	141	44	41	41	11	4	-	-	-
FIVE	89	19	39	17	12	1	1	-	-
SIX	51	7	11	15	11	4	3	-	-
SEVEN	23	5	6	3	2	3	3	1	-
EIGHT	12	1	2	1	3	2	1	2	-
NINE OR MORE	17	1	5	4	3	1	1	2	-
NOT STATED	1	-	-	-	-	-	-	-	1

TABLE A-2

FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2002

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,248
UNDER 12	-
12-14	16
15-17	200
18-19	294
20-24	747
25-29	413
30-34	302
35-39	185
40-44	87
45 AND OVER	4
NOT STATED	-

TABLE A-3

FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE*
MONTANA OCCURRENCES, 2002

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,248	1,438	365	205	107	52	57	17	7
DILATION AND EVACUATION (D&E)	176	1	1	18	39	44	55	17	1
INTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	-	-	-	-	-	-	-	-	-
SUCTION CURRETTAGE	2,041	1,406	364	187	68	8	2	-	6
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	31	31	-	-	-	-	-	-	-

* THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."

TABLE A-4

FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 2002

COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	23	-
BIG HORN	17	-
BLAINE	11	-
BROADWATER	6	-
CARBON	13	-
CARTER	-	-
CASCADE	140	153
CHOUTEAU	3	-
CUSTER	15	-
DANIELS	2	-
DAWSON	12	-
DEER LODGE	16	-
FALLON	-	-
FERGUS	8	-
FLATHEAD	207	229
GALLATIN	197	-
GARFIELD	-	-
GLACIER	30	-
GOLDEN VALLEY	2	-
GRANITE	4	-
HILL	30	-
JEFFERSON	13	-
JUDITH BASIN	2	-
LAKE	71	-
LEWIS & CLARK	110	233
LIBERTY	-	-
LINCOLN	24	-
MCCONE	1	-
MADISON	10	-
MEAGHER	3	-
MINERAL	5	-
MISSOULA	403	881
MUSSELSHELL	10	-
PARK	26	-
PETROLEUM	-	-
PHILLIPS	5	-
PONDERA	5	-
POWDER RIVER	1	-
POWELL	6	-
PRAIRIE	-	-
RAVALLI	56	-
RICHLAND	7	-
ROOSEVELT	30	-
ROSEBUD	16	-
SANDERS	15	-
SHERIDAN	2	-
SILVER BOW	58	-
STILLWATER	12	-
SWEET GRASS	8	-
TETON	6	-
TOOLE	9	-
TREASURE	-	-
VALLEY	8	-
WHEATLAND	-	-
WIBAUX	1	-
YELLOWSTONE	363	752
NOT STATED	12	-
TOTAL, MONTANA RESIDENTS	2,034	2,248
OUT OF STATE RESIDENTS		
IDAHO	16	NA
NORTH DAKOTA	18	NA
SOUTH DAKOTA	17	NA
WYOMING	146	NA
OTHER STATES	9	NA
CANADA	2	NA
REST OF WORLD	2	NA
NOT STATED	4	NA
TOTAL	2,248	NA

TABLE M-1

FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA, 2002

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	6,514	100.0	JULY	982	15.1
			AUGUST	1,117	17.1
JANUARY	239	3.7	SEPTEMBER	648	9.9
FEBRUARY	325	5.0	OCTOBER	389	6.0
MARCH	295	4.5	NOVEMBER	283	4.3
APRIL	338	5.2	DECEMBER	418	6.4
MAY	527	8.1			
JUNE	950	14.6	NOT STATED	3	0.0

TABLE M-2

FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2002

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	6,514	4,075	206	2,227	6	6,514	4,164	178	2,169	3
UNDER 15	-	-	-	-	-	-	-	-	-	-
15-19	533	531	-	1	1	201	199	-	1	1
20-24	1,966	1,861	4	98	3	1,577	1,536	-	40	1
25-29	1,269	1,001	5	263	-	1,496	1,307	3	185	1
30-34	838	402	11	424	1	922	601	4	317	-
35-39	551	151	14	386	-	631	263	4	364	-
40-44	488	77	19	391	1	534	147	5	382	-
45-49	360	38	24	298	-	414	70	18	326	-
50-54	238	9	33	196	-	292	25	10	257	-
55-59	127	2	22	103	-	191	8	21	162	-
60-64	61	3	21	37	-	119	6	30	83	-
65-69	45	-	23	22	-	54	1	26	27	-
70-74	9	-	7	2	-	36	1	16	19	-
75 AND OVER	29	-	23	6	-	47	-	41	6	-
NOT STATED	-	-	-	-	-	-	-	-	-	-

TABLE M-3

FREQUENCY OF FIRST MARRIAGE* BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 2002

AGE OF GROOM	AGE OF BRIDE										
	TOTAL, ALL AGES	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,436	502	1,698	830	271	87	30	13	4	1	-
15-19	194	147	46	1	-	-	-	-	-	-	-
20-24	1,446	300	1,023	112	11	-	-	-	-	-	-
25-29	1,121	48	522	475	64	5	5	2	-	-	-
30-34	435	6	91	188	123	23	3	1	-	-	-
35-39	157	-	12	44	57	37	5	1	1	-	-
40-44	49	-	3	8	10	17	9	2	-	-	-
45-49	21	1	1	2	3	4	6	4	-	-	-
50-54	9	-	-	-	2	1	2	3	1	-	-
55 AND OVER	4	-	-	-	1	-	-	-	2	1	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE M-4

MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1994 - 2002

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1993	26	23	22	29	25	24
1994	26	23	22	29	25	24
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	26	25
2000	27	23	23	29	26	25
2001	27	23	23	29	25	25
2002	27	23	23	29	26	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE MT-1

FREQUENCY OF MARITAL TERMINATION* BY TYPE AND BY LEGAL GROUNDS FOR DECREE MONTANA OCCURRENCES, 2002

TYPES OF MARITAL TERMINATION AND LEGAL GROUNDS	NUMBER
MARITAL TERMINATIONS, TOTAL	3,634
MARRITAL DISSOLUTIONS, TOTAL	3,600
IRRECONCILLABLE DIFFERENCES	3,600
INVALID MARRIAGES, TOTAL	34
LACKED CAPACITY TO CONSENT	15
LACKED PHYSICAL CAPACITY	1
PROHIBITED MARRIAGE	4
NOT STATED	14

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE MT-2

FREQUENCY OF MARITAL TERMINATION* BY AGE OF WIFE AND AGE OF HUSBAND MONTANA OCCURRENCES, 2002

AGE OF HUSBAND	AGE OF WIFE										
	TOTAL, ALL	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATE
TOTAL, ALL AGES	3,634	28	305	513	580	561	542	469	242	229	165
15-19	4	4	-	-	-	-	-	-	-	-	-
20-24	165	18	119	20	2	1	1	1	-	-	3
25-29	420	5	129	208	52	10	3	1	1	-	11
30-34	512	1	27	179	218	51	17	7	1	-	11
35-39	531	-	8	52	179	207	49	20	4	2	10
40-44	594	-	4	25	80	166	215	61	18	7	18
45-49	524	-	5	6	25	72	175	185	41	6	9
50-54	338	-	1	4	9	30	47	112	102	27	6
55 AND OVER	354	-	-	3	5	10	24	72	65	166	9
NOT STATED	192	-	12	16	10	14	11	10	10	21	88

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION

TABLE MT-3

FREQUENCY OF MARITAL TERMINATION* BY NUMBER OF MINOR CHILDREN IN THE HOUSEHOLD AND BY AGE OF WIFE MONTANA OCCURRENCES, 2002

AGE OF WIFE	NUMBER OF MINOR CHILDREN							
	TOTAL	NONE	ONE	TWO	THREE	FOUR	FIVE	SIX
TOTAL, ALL AGES	3,634	2,225	613	582	177	29	7	1
15-19	28	18	10	-	-	-	-	-
20-24	305	165	82	48	10	-	-	-
25-29	513	272	99	104	36	2	-	-
30-34	580	280	117	136	38	7	2	-
35-39	561	294	86	135	36	6	3	1
40-44	542	309	101	90	33	7	2	-
45-49	469	344	70	39	11	5	-	-
50-54	242	208	21	12	1	-	-	-
55-59	130	123	6	-	1	-	-	-
60-64	64	64	-	-	-	-	-	-
65-69	21	21	-	-	-	-	-	-
70-74	10	10	-	-	-	-	-	-
75 AND OVER	4	4	-	-	-	-	-	-
NOT STATED	165	113	21	18	11	2	-	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH SEPTEMBER 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE R-1

Montana Department of Public Health and Human Services
Communicable Disease Program
Disease Summary for 2002

Reporting County	CAMPYLOBACTER	DIPTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS B	INFLUENZA	HEPATITIS A	HEPATITIS B	HEPATITIS NON A NON B	LEGIONELLA	MEASLES	MENING	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	FOOOBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	2	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Big Horn	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Blaine	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Broadwater	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	3	-	1	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	14	-	8	8	-	-	-	-	-	1	-	-	-	-	19	-	1	1/8
Chouteau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	1	-	-	1	-	-	-	1	-	-	-	-	-	-	1	-	1	-
Daniels	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	1/14
Dawson	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-
Deer Lodge	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fergus	4	-	1	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Flathead	12	-	1	10	-	-	-	-	-	1	-	-	3	-	8	1	1	1/44
Gallatin	9	-	3	17	-	-	-	-	-	-	-	-	-	-	6	-	1	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	5	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	1	-
Jefferson	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lake	6	-	1	4	-	-	-	-	-	-	-	-	-	-	2	-	-	2/29
Lewis & Clark	2	-	1	-	-	-	3	-	1	1	-	-	1	-	4	-	-	1/8
Liberty	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lincoln	1	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4
Madison	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
McCone	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1/40
Missoula	21	-	4	22	-	-	4	2	-	1	-	1	1	-	10	-	-	-
Musselshell	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Park	1	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prairie	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	4	-	2	2	-	-	1	-	-	-	-	-	2	-	3	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roosevelt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/35
Rosebud	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Sanders	-	-	2	3	-	-	-	-	-	-	-	1	1	-	1	-	-	-
Sheridan	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	1	-	1	1	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Stillwater	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Sweet Grass	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teton	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Toole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1/4
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	6	-	5	13	-	-	1	4	-	-	-	-	-	1	16	2	1	2/7
2002 Total	112	0	38	94	0	0	13	10	1	4	0	3	10	1	91	4	12	12/193
2001 Total	110	0	23	85	0	0	16	3	1	0	0	4	54	1	81	9	17	12/843
2000 Total	107	0	31	91	0	0	7	8	5	2	0	6	35	4	97	8	21	6/180

* "Reporting county" reflects county of residence whenever possible.

The above disease totals reflect the cumulative number of reports received by DPHHS January through December 31, 2002. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data are subject to corrections.

TABLE R-2

SEXUALLY TRANSMITTED DISEASES BY COUNTY
2002 SUMMARY

Reporting County*	HIV/AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	24	-	-
Big Horn	-	123	7	-
Blaine	-	74	5	-
Broadwater	-	1	-	-
Carbon	-	7	-	-
Carter	-	-	-	-
Cascade	1	378	37	-
Choteau	-	4	-	-
Custer	-	36	-	-
Daniels	-	-	-	-
Dawson	-	14	1	-
Deer Lodge	-	8	-	-
Fallon	-	9	-	-
Fergus	-	4	2	-
Flathead	1	120	2	-
Gallatin	8	174	5	-
Garfield	-	1	-	-
Glacier	-	187	1	-
Golden Valley	-	1	-	-
Granite	-	-	-	-
Hill	2	134	6	-
Jefferson	-	13	-	-
Judith Basin	-	1	-	-
Lake	1	139	4	-
Lewis & Clark	4	134	4	-
Liberty	-	1	1	-
Lincoln	1	25	-	-
Madison	-	2	-	-
McCone	-	-	-	-
Meagher	-	1	-	-
Mineral	-	1	-	-
Missoula	1	218	9	-
Musselshell	-	3	-	-
Park	2	17	-	-
Petroleum	-	-	-	-
Phillips	-	3	-	-
Pondera	-	8	-	-
Powder River	-	1	-	-
Powell	-	2	-	-
Prairie	-	-	-	-
Ravalli	-	28	3	-
Richland	-	11	-	-
Roosevelt	-	102	3	-
Rosebud	-	55	3	-
Sanders	-	40	1	-
Sheridan	-	1	-	-
Silver Bow	4	46	-	-
Stillwater	1	7	-	-
Sweet Grass	-	1	-	-
Teton	-	1	-	-
Treasure	-	-	-	-
Toole	-	6	-	-
Valley	-	5	-	-
Wheatland	-	1	-	-
Wibaux	-	-	-	-
Yellowstone	6	330	32	-
Other/Out of State	-	7	-	-
2002 Total	32(HIV & AIDS)	2,509	126	0
2001 Total	114(HIV & AIDS)	1,899	104	0
2000 Total	20 (AIDS Only)	1,472	60	0

*** "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2002.**

HIV reporting was formally added in 2001 and the data above reflect all HIV/AIDS cases reported at that time. The data are by date of report and do not reflect the date of infection or diagnosis. As a result, the numbers of HIV reports in 2002 are artificially high as all existing cases were reported.

TABLE R-3

Montana Department of Public Health and Human Services
Communicable Disease Program
2002 Summary

Reporting County	CAMPYLOBACTER	DIPTHERIA	PATHOGENIC E COLI	GIARDIA	HAEMOPHILIS B	INFLUENZA	HEPATITIS A	HEPATITIS B	HEPATITIS NON B	NON A NON B	LEGIONELLA	MEASLES	MENING	PERTUSSIS	RMSF	SALMONELLA	SHIGELLA	TUBERCULOSIS	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Big Horn	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
Blaine	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Broadwater	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	3	-	1	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	14	-	8	6	-	-	-	-	-	-	1	-	-	-	-	19	-	1	1/8
Chouteau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	1	-	1	-
Daniels	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1/14
Dawson	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-
Deer Lodge	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fergus	4	-	1	3	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Flathead	12	-	1	10	-	-	-	-	-	-	1	-	-	3	-	8	1	1	1/44
Gallatin	9	-	3	17	-	-	-	-	-	-	-	-	-	-	-	6	-	1	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	5	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	1	-
Jefferson	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lake	6	-	1	4	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2/29
Lewis & Clark	2	-	1	-	-	-	3	-	1	1	-	-	-	1	-	4	-	-	1/8
Liberty	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Lincoln	1	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4
Madison	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
McCone	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1/40
Missoula	21	-	4	22	-	-	4	2	-	-	1	-	1	1	-	10	-	-	-
Musselshell	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Park	1	-	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Prairie	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	4	-	2	2	-	-	1	-	-	-	-	-	-	2	-	3	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roosevelt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/35
Rosebud	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Sanders	-	-	2	3	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-
Sheridan	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Stillwater	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Sweet Grass	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teton	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Toole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	1/4
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	6	-	5	13	-	-	1	4	-	-	-	-	-	-	1	16	2	1	2/7
2002 Total	112	0	38	94	0	0	13	10	1	1	4	0	3	10	1	91	4	12	12/193
2001 Total	110	0	23	95	0	0	16	3	1	0	0	0	4	54	1	81	9	17	12/843
2000 Total	107	0	31	91	0	0	7	6	5	2	0	0	6	35	4	97	8	21	6/180

* "Reporting county" reflects county of residence whenever possible.

The above disease totals reflect the cumulative number of reports received by DPHHS January through December 31, 2002. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data are subject to corrections.

TABLE C-1
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 2002 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2003
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	2,137	1,915	4,052
Buccal Cavity and Pharynx	72	37	109
Lip	19	8	27
Tongue	16	12	28
Major Salivary gland	6	6	12
Floor of Mouth	6	-	6
Gum & Other Mouth	5	4	9
Nasopharynx	2	2	4
Tonsil	13	4	17
Oropharynx	1	1	2
Hypopharynx	3	-	3
Pharynx	1	-	1
Digestive System	342	262	604
Esophagus	22	9	31
Stomach	37	22	59
Small Intestine	11	4	15
Colon	143	140	283
Rectum & Rectosigmoid	72	43	115
Anus & Anocanal	7	4	11
Liver	14	9	23
Gallbladder	4	2	6
Other Biliary	6	2	8
Pancreas	24	21	45
Retroperitoneum	-	1	1
Peritoneum	1	5	6
Other Digestive Organs	1	-	1
Respiratory System	307	232	539
Nasal Cavity & Sinuses	5	5	10
Larynx	25	9	34
Lung & Bronchus	270	214	484
Trachea & Pleura	7	4	11
Bones & Joints	3	2	5
Soft Tissue	6	9	15
Melanoma	118	69	187
Breast	-	609	609
Eye	2	1	3

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
Female Genital System	---	368	368
Cervix	---	29	29
Cervix In-situ	---	166	166
Uterus	---	92	92
Ovary	---	60	60
Vagina	---	4	4
Vulva	---	12	12
Other Female Genital Organs	---	5	5
Male Genital System	818	---	818
Prostate	790	---	790
Testis	26	---	26
Penis	2	---	2
Other Male Genital Organs	-	---	0
Urinary System	212	71	283
Bladder	146	38	184
Kidney & Renal Pelvis	61	31	92
Ureter	5	2	7
Other Urinary Organs	-	-	0
Brain & Other Nervous System	39	28	67
Brain	39	27	66
Other Nervous System	-	1	1
Endocrine System	18	63	81
Thyroid Gland	16	61	77
Other Endocrine	2	2	4
Lymphomas*	88	74	162
Hodgkin's Disease	10	6	16
Non-Hodgkin's Lymphomas	78	68	146
Multiple Myeloma	19	11	30
Leukemias	47	36	83
Acute Lymphocytic	-	-	0
Chronic Lymphocytic	15	15	30
Acute Myeloid	17	10	27
Chronic Myeloid	3	1	4
Other Leukemia	12	10	22
Unknown and Ill-defined Sites	46	43	89

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 2002 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2003
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																					
AGE AT	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
DIAGNOSIS	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	1	---	-	-	-	4	2	4	3
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	-	---	-	-	-	3	0	4	-
10-14	-	---	-	-	-	-	-	-	-	-	-	-	---	-	-	1	---	-	-	-	3	2	3	3
15-19	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	2	---	-	-	-	3	18	4	20
20-24	-	---	-	-	-	-	-	-	-	-	-	-	---	-	3	4	---	1	-	-	8	33	11	38
25-29	-	---	-	-	-	-	-	-	-	-	-	-	---	-	1	-	---	-	-	-	10	42	11	42
30-34	-	---	-	1	-	-	-	-	-	1	-	-	---	-	1	-	---	1	-	-	18	48	19	51
35-39	-	---	-	16	-	3	1	1	2	1	-	-	---	1	4	1	---	3	-	-	20	34	27	60
40-44	2	---	-	33	-	5	5	2	4	2	1	-	---	4	3	4	---	2	1	-	27	53	43	105
45-49	13	---	-	51	10	8	5	-	6	4	2	-	---	3	7	4	---	5	2	-	37	41	82	116
50-54	54	---	-	73	16	6	8	3	5	5	6	1	---	8	4	5	---	5	1	2	56	42	150	150
55-59	97	---	-	84	17	15	9	7	9	2	7	5	---	16	7	5	---	5	2	4	64	49	212	192
60-64	126	---	-	65	43	31	13	8	8	4	22	2	---	10	7	8	---	5	1	5	61	37	281	175
65-69	161	---	-	64	36	30	17	24	13	4	13	5	---	14	8	10	---	11	2	1	68	59	318	222
70-74	161	---	-	68	45	43	22	23	7	6	32	8	---	12	16	7	---	7	6	2	68	52	357	228
75-79	106	---	-	64	49	37	29	33	9	3	20	4	---	13	10	8	---	4	3	3	71	45	297	214
80-84	52	---	-	57	35	17	17	22	6	5	23	5	---	7	8	9	---	6	4	1	56	46	201	175
85+	18	---	-	33	19	19	17	17	3	6	20	8	---	4	7	5	---	5	2	3	27	21	113	121
TOTAL	790	---	0	609	270	214	143	140	72	43	146	38	---	92	88	74	---	60	24	21	604	624	2,137	1,915

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 2002 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2003
MONTANA CENTRAL TUMOR REGISTRY

	PRIMARY CANCER SITES																							
COUNTY OF	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKINS*		OVARY		PANCREAS		OTHERS		ALL SITES	
RESIDENCE	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	2	---	-	-	2	1	-	-	-	-	-	-	---	1	-	-	---	1	-	-	4	3	8	6
Big Horn	10	---	-	7	1	3	5	2	-	-	-	1	---	-	1	-	---	2	-	-	8	6	25	21
Blaine	12	---	-	3	1	1	3	1	-	-	1	1	---	-	-	1	---	-	1	-	3	4	21	11
Broadwater	4	---	-	4	2	-	2	-	-	-	1	-	---	-	-	-	---	1	-	-	1	2	10	7
Carbon	6	---	-	7	2	3	3	2	1	1	2	-	---	2	1	-	---	1	-	-	10	10	25	26
Carter	1	---	-	-	-	-	1	-	-	-	1	-	---	-	-	-	---	-	-	-	0	1	3	1
Cascade	109	---	-	68	23	22	9	10	8	3	14	1	---	12	6	10	---	5	2	3	50	72	221	206
Chouteau	7	---	-	4	1	2	-	1	1	-	1	-	---	-	1	1	---	-	-	-	7	5	18	13
Custer	13	---	-	4	7	3	3	-	1	-	6	1	---	-	-	2	---	1	1	-	8	3	39	14
Daniels	-	---	-	1	3	1	1	-	-	-	-	-	---	-	-	-	---	1	-	-	0	3	4	6
Dawson	12	---	-	1	2	5	2	-	1	-	2	-	---	-	2	1	---	1	-	-	7	6	28	14
Deer Lodge	9	---	-	2	-	1	-	2	1	-	-	-	---	-	1	1	---	-	-	-	4	3	15	9
Fallon	5	---	-	-	1	1	-	1	1	-	1	-	---	-	-	-	---	-	-	-	1	0	9	2
Fergus	21	---	-	14	5	1	4	3	3	3	3	1	---	3	5	4	---	2	-	1	17	12	58	44
Flathead	71	---	-	79	24	19	8	14	7	3	9	1	---	10	10	4	---	4	4	4	57	52	190	190
Gallatin	22	---	-	48	5	9	4	11	5	5	10	1	---	8	5	5	---	1	-	-	32	46	83	134
Garfield	-	---	-	-	-	-	3	-	-	-	-	-	---	-	1	-	---	-	-	-	3	0	7	-
Glacier	3	---	-	7	3	1	-	1	2	-	1	-	---	3	-	2	---	-	-	-	1	10	10	24
Golden Valley	-	---	-	1	-	1	1	-	-	-	-	-	---	-	-	-	---	-	-	-	0	0	1	2
Granite	1	---	-	-	2	1	-	1	1	-	-	-	---	-	-	-	---	-	-	-	0	1	4	3
Hill	20	---	-	20	4	6	7	1	2	-	2	1	---	2	1	1	---	1	-	-	6	16	42	48
Jefferson	4	---	-	1	3	-	2	-	2	-	1	-	---	1	1	1	---	-	-	-	5	2	18	5
Judith Basin	3	---	-	1	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	2	1	5	2
Lake	18	---	-	5	5	7	4	5	3	1	2	-	---	1	6	-	---	2	3	1	19	16	60	38
Lewis & Clark	52	---	-	44	14	21	10	7	6	6	7	3	---	7	4	4	---	4	-	2	33	27	126	125
Liberty	4	---	-	4	1	1	2	1	-	-	-	-	---	1	1	-	---	-	-	-	4	2	12	9
Lincoln	23	---	-	20	9	4	1	4	3	1	4	1	---	2	-	4	---	3	1	-	15	8	56	47
McCone	1	---	-	-	-	-	-	2	1	-	1	-	---	-	-	-	---	-	-	-	2	2	5	4
Madison	3	---	-	2	1	-	-	1	1	-	1	-	---	1	-	-	---	-	-	-	2	1	8	5
Meagher	4	---	-	2	1	1	-	1	-	-	1	-	---	-	2	-	---	-	-	-	2	3	10	7
Mineral	1	---	-	1	3	1	-	2	-	-	3	2	---	-	-	1	---	-	-	-	3	4	10	11
Missoula	55	---	-	47	18	12	13	11	1	1	8	4	---	9	5	8	---	4	-	1	44	50	144	147
Musselshell	3	---	-	2	2	2	-	2	-	1	-	2	---	-	-	1	---	-	-	-	3	6	8	16
Park	10	---	-	11	5	4	1	2	-	-	1	-	---	-	2	1	---	-	2	1	9	10	30	29
Petroleum	1	---	-	1	-	-	-	1	-	-	-	-	---	-	-	-	---	-	1	-	0	2	2	4
Phillips	5	---	-	2	2	4	2	2	2	-	1	-	---	-	1	2	---	1	-	1	5	4	18	16
Pondera	12	---	-	5	2	4	-	-	-	-	1	-	---	2	-	2	---	1	-	1	10	4	25	19
Powder River	1	---	-	1	-	1	-	-	-	-	-	-	---	-	-	-	---	-	-	-	1	2	2	4
Powell	4	---	-	4	6	3	2	2	-	-	-	-	---	-	-	-	---	-	-	-	8	1	20	10
Prairie	-	---	-	-	1	-	-	-	-	1	2	-	---	-	-	-	---	-	-	-	0	1	3	2
Ravalli	32	---	-	14	13	9	-	1	-	4	8	2	---	1	2	-	---	-	-	-	25	21	80	52
Richland	1	---	-	7	5	3	1	-	-	2	1	-	---	-	2	-	---	-	-	-	7	4	17	16
Roosevelt	2	---	-	8	1	-	4	2	1	-	2	-	---	-	1	2	---	-	1	-	8	5	20	17
Rosebud	8	---	-	2	4	4	5	2	2	2	-	-	---	1	1	1	---	1	1	-	4	5	25	18
Sanders	12	---	-	7	4	2	3	-	1	-	3	-	---	-	1	-	---	2	-	-	12	7	36	18
Sheridan	1	---	-	1	2	1	2	-	-	-	-	-	---	-	1	1	---	1	-	-	1	3	7	7
Silver Bow	15	---	-	10	4	3	3	3	-	-	4	2	---	1	-	1	---	2	-	-	7	10	33	32
Stillwater	10	---	-	10	4	2	1	2	-	-	3	-	---	2	1	1	---	2	-	-	9	4	28	23
Sweet Grass	3	---	-	-	1	1	-	1	-	-	-	1	---	-	-	-	---	-	1	-	1	2	6	5
Teton	6	---	-	10	-	2	1	1	-	-	2	-	---	-	-	-	---	1	-	-	4	3	13	17
Toole	5	---	-	1	1	2	2	-	-	-	1	1	---	3	2	-	---	-	1	1	5	3	17	11
Treasure	3	---	-	3	3	1	-	-	-	-	-	-	---	1	-	-	---	-	-	-	0	1	6	6
Valley	13	---	-	7	1	4	3	4	2	1	3	-	---	4	1	1	---	1	-	1	11	8	34	31
Wheatland	4	---	-	2	-	-	-	-	-	-	-	-	---	-	-	-	---	-	-	-	1	1	5	3
Wibaux	1	---	-	-	-	-	-	-	-	-	1	-	---	-	-	-	---	-	-	-	1	1	3	1
Yellowstone	138	---	-	104	66	34	25	29	13	8	30	12	---	14	20	11	---	14	5	4	121	143	418	373
Unknown	4	---	-	-	-	-	-	2	-	-	1	-	---	-	-	-	---	-	-	-	1	2	6	4
TOTAL	790	---	0	609	270	214	143	140	72	43	146	38	---	92	88	74	---	60	24	21	604	624	2,137	1,915

* Non-Hodgkins Lymphoma (NHL) and Hodgkins Disease are not included in the anatomical site (e.g. lymphoma of the stomach is counted as a lymphoma, not stomach cancer)

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